

tctcttttac ttttctaac tggaagccta caactacaaa tgaaaacaat caatagttcc 240
 aaatgtaacc catttccaga gacaccagga ggaaagaaaa gacagaccat acatgtaaca 300
 tcccaacctc aacgtttgga atattgaggg gctttacgag ctttcttgag accaactttc 360
 ttcctctcaa ccactctgga atctctggta agaagtcctt cctgtctaaa ggtgctctat 420
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<210> 29559
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017f06d1

<400> 29559

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 acatatctga acttgaacaa ctcacatcat catcatcatc ttcacatca tcatcataaa 180
 aacctctaaa atcaaattca ccctgaccag aatttcgata accttttaca aaaccacgcg 240
 ctgctgcttc ttcagctcca ttttcatttc cccgagcagt gttcttcttc agtccttta 300
 tggaagaact tcttacacca agattaggtt cactctcgta aatgatgtta catttatgat 360
 aactagattg tggttcagaa tcctcaccta ggattacgct aacggggtaa aaccttacgg 420
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<210> 29560
 <211> 548
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017f07d1

<400> 29560

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 tagaatgaac atcctatatt ttctcttttc acacctacgg ctctcattta tgctaatacca 180
 gctattatgg atggattagg ttcgccatcc cagtggctga gggagctgag atgggactcc 240
 cagggcttaa atccaataag ccttcttatt gactgtgcca aatgtgttgc atctggaagc 300
 atcaagaatg cagatattgg ccttgagtac atatctcaga tttcatctcc tgatggtaat 360
 gcagtgcaaa ggatggcac ttatttcagt gaagcacttg gttacaggat aataaaaaat 420
 ttgcctggtg tatataagtc tctcaatcca tcaaaaacat cattatcttc tgaagatata 480
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 aaccatgc 548

<210> 29561
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017f08d1
 <400> 29561

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 ggcataaacg caacctttac gcttggaccc gaaacaggac tttgggcaat taaacctcaa 180
 aggggttttg gcatcgaaac ctttaatttt tcgcacatgg ggcctagccc ttaaagaaat 240
 ttaattaatc agttcccaaa aaacgggcca aataataaca ataataagcg gaaattttat 300
 tttaaaccct ggggagaaaa actttttaag aaaggttaagt ttattatggg attttgaaa 360
 caaactaaag tgcttgcaaa ctaccaattc aaacattcca tgtttttaaaa caaccggggc 420
 ctt 423

<210> 29562
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017f12d1
 <400> 29562

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acattttcca tttcaattga agcttttaca gtaagaggag aggatgattc tatgtacaaa 120
gaatacattg gatgatggat tattttgcct cctctctact tctagaagga tgtcagaaaag 180
gtccgtagtc atatagaaga tgtagttttc tacgcttcta aattcttgag agaagccagc 240
cagtgttcca tgtaattttt gccagcagaa gaaaattcat ttggaagggtt cttgatggca 300
ctcaaaagct ccttggttga actcttcacc ttcttcctat agcaaggaac tagcacagca 360
aaactattgt ccaaatcatc atcactctga aggaaatcag agccatgagg ctccaaccac 420
ccaatggaaa aatctgagta tcagattcag agc 453

<210> 29563
<211> 536
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017g01d1
<400> 29563

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tactccaact tcaaaaatag tatccaaaat ttcggaccta gaaaataaac agtacatgtg 120
aataaatttt caagaaaatg attccctaga cgcagaataa gatagtttct agttgtgcaa 180
cgatgatacg gaatcttgaa tgaactttca ctcatcatct tcatcgttat cagcagcaga 240
gttgagagac gccacacgtg caatcaactt agccttcctc tgctcataag tcagcttctt 300
caagttgtac ctcttggtgt ccttcggggg ctgcttatca gatttcttaa gagtaggac 360
agcacgaatg gcggcatgaa ccttcttata cagtgcctca ataccatcag cttctatccc 420
acgcttgatg tattcaactga agtgtgactg gtatttctct ggatcatctt cagccaagat 480
cttcatatag gcagcaacat gtccaccaa aacatatttg cgatgaacct cagcat 536

<210> 29564
<211> 391
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017g03d1
<400> 29564

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 aaaaggggaa aaaccgga tttttgaaaa agggaaagtg ggcccttctc atttttcaaa 120
 ctataaggcc gggggtaaaa accgcaggca attgaaaagc caaactgggt ttttaaggcag 180
 gggaaacagc ttgttcacca atcatgggct ccaaaacccc cgttgataca accttggtct 240
 ttataactgg ggctccttt tttgggattg gtgcattttt agagaaacta agccccaaga 300
 ttccatcagg ggattgtctg taaaaaacag agggccccgg ggcaaaattc acatttttga 360
 aggctttaac aaacttttca aaggctgggg t 391

<210> 29565
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g04d1
 <400> 29565

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 tttttttttt ttttaacaaa ctcaatttta ttatttaaaa aaacaggaaa aatacctgac 120
 aagcgacaag aaaaaaaggg gaaaaacccg gaatttttga aaaagggaaa ggtggctcct 180
 ttcatttttc aaactataag gccgggggta aataccggag gcaattgaaa agccaaactg 240
 ggttttaagt caggggaaac agcttggtcc ccaaacatgg gtttcaaaac cgccgctgat 300
 acagccttgg tctttatcac tggagcctcc ttttttgga ttggggcctt tttagagaaa 360
 ctaagcccca agattccctc aggggattgt ctgtaaaaaa cagaggcccc aggggcaaaa 420
 ttcacatttt tgaaggcttt aacaaacttt taaagggtg gggg 464

<210> 29566
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g05d1
 <400> 29566

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 ttcagtaatt gtgtatacat tggacattat tagcattggg cggtcgggtc gggttgcat 120

tacagcgtac aactggtgtg gcacgaaaat cgccttgttt gttaaacttac gactattata 180
ccacgtgcag caggatgatt ttgtagaatt tgataatatt ttttttataa gtattggttt 240
attccaatgt tggatccaca ctatagcata aaaaagaaaa atataaaaaca ccagctttat 300
taaagtcaaa ttatgagccg agtaaataaa acacgctatg tggaaaggag ccagatactt 360
gattctacaa ctctctccac cacaactggt aaagactatg aaatgatact gaccttaagg 420
agctgcggga acaatcttgc ccgagcaggt accaaaccca atagtgtaac catttcctt 480
gaatatccag taagatactt catctcatct taagaaattt ttatttacc a 531

<210> 29567
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400017g06d1

<400> 29567

gaaaaaaatt ttgatcaaat taataacttg tgcaaaagaa accatcaaat tcctttgaga 60
aaaaggaaca atagcaaacc tagctcatta atatacatat acgattaaat aaacgacaca 120
gatcgatgtt tatggccaaa gccaaaatta accacggtaa gtagacagtc aacgatttga 180
ttccacagct acaacaaaat agcaagtgtt aacaaaatta cggaattaaa aaccgaaacc 240
aaagcgatcg gatgcggatc agaactacaa atccaaaaga ggatcgtaag atcaaacggt 300
gccgccagat ttggagcggg agagtttgcc gaacacgtgg agcgcggtga cgaagccgat 360
gaagcagagg ctcatcacca gcaccaccgt cggcgaaatc ttcagccccg gagcatcgta 420
cgtgtagaac ctcagcatgt tgctgctgcc gactacgacg ctcggtgctgg cgga 474

<210> 29568
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400017g07d1

<400> 29568

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atcgagagta aggttcttga catgagtact ataacaaatt tatcagacag accaatgaga 120

ccacaagggtc aaacgggtgtg aatttataat ggctactgaa tggaaatcag atccccaaag 180
 gtgttctcgc cactgtatgt aacatagaga aaccatcct cgtccttctt ctcatcatat 240
 atggcagaca taattgctcc tgtaggagga aggacgttgt ccacaaatat aaagattgcc 300
 ttttctgcac ttaatttaat ccttttgccg atcacataga caaactgtcc tacagtcaag 360
 tcagcagga caaggtactt cttcttgta atacttnga tgtcacttct ttcagccttc 420
 tccacaatta ccggaatcct gtcagggtat ttctccctaa tcctagcagc ctgagctctt 480
 cttttctcaa gatcatgttc ttgcttgaag t 511

<210> 29569
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g09d1
 <400> 29569

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 ttacttgcaa ttcgatttta accgaatcca aaggggcttt tactggcaat tcatttttaa 120
 ccagtccaa ataacctcct cccatgttgc tcacatcctt aaatccttcc gatagaagat 180
 cagcagttgc atacagagat ctcaattcca ctttgacaac ccccgatgat ctgatcctct 240
 ttcttgcaag cctatgaaac ctcttaaga aattctggat acttcactct gccttctggc 300
 gaattaaaca tgtttgccac gttaatgatc ttctttgcat ccacatgccc tttttgaaac 360
 tcttcaccg ttctgaca 378

<210> 29570
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g11d1
 <400> 29570

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 tgccaagctt ataccagaaa catccaagaa cctatagaaa gatagcagaa aaataattct 120
 acaaggggga atcaaccact gagcatttta caacaataac ttattgtatc accatgctcc 180

caatcttaat attttatctg tgtgtatcac atggaaaagt aaattaatct accagtatac 240
 ttgtttctga tctgctctgt ggcttggttg gtaattacat ggccctatgt agaccttacg 300
 gctacataga tgatgtggtg gtatcattga caaggatact ctgtttcctc tatatattgt 360
 gttcttttta tgttcaaaat tttcaacccc cacttttgga gctttatggg aataaatgaa 420
 cattatggaa aatgaatata tgtatataat ggtctaattt attcaaaact tcaattcttt 480
 ttagcttgcc tgtctcttga agaaagggtt ctggcagatc aggagtctct gatcactggc 540
 a 541

<210> 29571
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h02d1
 <400> 29571

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 aaaaataagg gagagtgaca tctacacaaa atccacacaa acttaaatca aacgaggaca 120
 ataataataa taataataat gatgatgata aaaatgagaa aagcttgaac ctttagactt 180
 gagctttaac cttctggttt ggctcgaaga cataacttaat aagagaatcc ttaatagaca 240
 acagttctgg aaattccttc ttcaatttgg cagcgtcaag ctcatgttg ctcctcggag 300
 caacaatcac cttggcctgt tcctcgagag tgaagttggt ccaggtgaag ttcgggtcaa 360
 cataatctct gtacatctcc aagatttcat tgtgactaac cactcctggg ttagtaaagt 420
 tccagatccc agtcagattc ctcttcccca tctcaattga aattggaagc agttcatcca 480
 atatagtca 489

<210> 29572
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h03d1
 <400> 29572

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aacagcgata ggagtgtagg ccgatacaaa cgaataactt aatctaaaat ctcataggcc 120
 tgggcagtga tatgaaatta agctttcaag atcactgaca ttgaccaaac ttccttgcaa 180
 acttacagat taaagtttgg tctgcataat tagaatctac tacatctttc ccacattggt 240
 actttaaata acacgttggc caagttaatt tgcataatg actcaacata acaacaccac 300
 ctgatggctg tcaagcatta tcattttatt cattacaccg aagtttatgt tacacttgca 360
 agttgctgga tcaacgtcta tcatgccagt cttgagatca ctgaaatttt acaacaatgc 420
 aggagatatc a 431

<210> 29573
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h04d1
 <400> 29573

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 aatgtcgaga taagactcca catcaagatt gaattaaata gacattagaa aacccaaatc 120
 gaaagtagat taataataac agtattactg aaattaatta cgtaattaat tctcattgtc 180
 gaactcctcg tattgcctga ggacctcagc acagccagaa gcaacctcct gagacatgaa 240
 gcccatggca ttggcgaacc tatcatcgga tgcaatgccg ttgtagcggg tgagaataac 300
 gacggcttcg tcgcggcccg ggggtgacttc cttgcattga gggtgagggc tgcttacaag 360
 cttggcactg catatttgat ctgcgtgatc ctgcgccagc tacatttgtgt atgctccagt 420
 tgagtcagtg tacccttctc tgggtacaca ac 452

<210> 29574
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h06d1
 <400> 29574

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 gacacagaga cacgtggaca cttgtaattg ccaaacattc gaacgtagtt tagatgtaca 120

ataggagtcg gacactaaca gggacgcttg agatacggca aggagctgag gtgatcgtgc 180
 ttgcatagat cacgaaacag ttacatgta cacagcatag gccagggaga tatcagattg 240
 gttgggtagg atgaagatga aaactggttt catccatact gactgcaaaa taaaactgtg 300
 atgacagata agcttagtaa aagaataaca agaactata gcgtagcgat aacccatta 360
 aaggctagga ctatgagcag gaagaggctc tggcaccaca taatcaaccg cgaccacact 420
 gtggatatga tccctaagct tatgc 445

<210> 29575
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017h07d1
 <400> 29575

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 gtgatttggg gacaatgata gatgattagt tccaaatccc tcaatgggtca gggantaaga 120
 gaaactagag aaagaaaaaa aaaagaaaaa agaaaaagaa ttacattcca ccctcccagt 180
 atacacaagg aaatgacatc aatatctatg cagcaataga gggatggttt tggtttttgt 240
 gctgtgagtg catcatttag gagagacatt atctccactc tttgtcattg tcagtttccc 300
 ttgcatccag cttcttagca tctcaagtgc agcttttggg tgatccatag ggaccatgtg 360
 accagcctcg tataccttga ggaaagatag aggtccatgg cttttcagcg ttctgcttc 420
 tgcaccatca actaaaaatg ggactgtacc agacgcccc aatgtttttg accagaccac 480
 tccattgcat taaccacct tgaattccc ag 512

<210> 29576
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h08d1
 <400> 29576

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aagaaaaaaa gcaacaattg ctgaccgtct actcttttctt ttctccgatt aaaacagaag 120
 atataatatg caggagattg tatccctttt gtaactagtt acaaattcaa tatgcaagta 180
 ggtaataggt atattcaccc acatgacaaa aaactgcaag taggcattgc cgatgtaaaa 240
 gaatctcctc tgcaacgcaa aaacatgtct ggaaaaaggg atataggggtg gaaggggctc 300
 ggttgcttga agttagttag gaacattcac gaatccaagt tcactcgtcg catcttacag 360
 acgaggtttg ctgttggcat atcaagttgg tttcctgaat ctgtcttcaa aagatctttt 420
 agctggtttc ttggagtaga aagacaactt tggaatg 457

<210> 29577
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017h09d1
 <400> 29577

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 cttaaacaaa ctattgctat gttttctttt aacaaataaa agagagaaaa aaatacaact 180
 caactaacta agacaaccac gttacacagg aagagcttct tctaataaat ctggggcacc 240
 actactaccg ttgagcacia tcacattacc atcggagtca gcatcaacta taactgagtc 300
 accctcttta atctctctag caagcatctt ctcagccatg ctgtcctcca aaagtcgcat 360
 tatagctctt cttagaggcc tagccccata actcggatta tatecttcgt caaccaccct 420
 ctccctaaat ctttctgtta ctgagagatc aatttccttg gctttcagtc tatcaaacac 480
 ctncctttcac attatgtctg ctatctcct 509

<210> 29578
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a01d1
 <400> 29578

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ctataagagg ggacaatgaa atttggcaac tagtgtctta ggtcctttaa ttgctttttt 120
 aaaagtaaat gtccataccg taccctttca agcctactct caaccatgta catttcatct 180
 ttgaggcgat gaattctttt ctccagccac gctatgtctg aaggacttct agtgacctca 240
 ttgttcatcc tgttcatgat gtctacagga gtgttcctat gtatgtgctg aggcctggcc 300
 aataacacac gtatgctaaa ctgaatgaag aaaatcagag tgacaatatt tttaaggagc 360
 acagaaagat tgctatgact tctcacagat gacctgaact tcgtcataca ctctttaaac 420
 agtgaaacac catgatgggt cgatgaaatt tccct 455

<210> 29579
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a02d1

<400> 29579

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 agcaaaacca tagtttatca taacaacagc cgtcataata tagcaaaca aaactacata 180
 tgatgattaa acttcacat atctctctat cgaaagcagc ttatacagct gctgccttag 240
 cagcactgga aagcttggat ctctcttgg ccaaactctc actgcggcgg tctctctgct 300
 ccttcaacct ggaggcaagg agtttctggt actctgctgc ctcagatttt gccttggcaa 360
 tctcttctt cttatcagca attcttgccc gctttctttg gagcgtaaga ggagtgaaca 420
 gtctttgtat cttgggagct ttgctcacct ttttcccagc ttttgctgta aatgtacgac 480
 cgtaggtggt gacatacttc ctaacatc 508

<210> 29580
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a03d1

<400> 29580

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 actgtctttt ttctaagcc actatttaca cccaccccaa aacttacgta taattgctct 180
 agaaacaaaa cctattatgt tctcatctt cctgtacttt ggttgaaagg aacatttgc 240
 tattttgttg caccattctt tttctctcga actatttcac agatcacatg tctcattttg 300
 tctctacttt ctcaaccttg gttcacttc tattggatta ttcttatata gacaaacgct 360
 attcacaagg aacagcgtag ggaacacaat tccagcaccg gcctttttaca gcaaaaagct 420
 cgagtgtgtt gcaacggatg aaactgcacg g 451

<210> 29581
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a06d1
 <400> 29581

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 aacaatatat taacagtaga aagttagaaa cttaatgctt acacgtggaa gacctgccag 180
 agatagctat aattctagag gccatactgt ttcgaagtaa ttatctatag aagtgcctta 240
 taatattgct tgcaatcact cttcattcct ggtaagtga aacaacatag aatagcacta 300
 acttgaagca gattttacac cagccgttat tccactaata tttggcagac gcttctttat 360
 ataatactta gaattgcggg aaagattgat cattctcctt ttttttcagg atgaatatca 420
 attgaaca 428

<210> 29582
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a07d1
 <400> 29582

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gaattgtcct ctatcgaatc attaaggaga acaccatgat tttggaacat ctgtgactat 180
 actcaattcc cccttatgga tgaatataat attcgactgc catactgaca atcgaaacca 240
 cacagactaa cagtaacggg aatcccttct gagctcttat catcttaatt tactttctca 300
 acatgttcaa ctcttgctta gcaaatcttg ttctcggatg tcttgcgctt cttttattca 360
 acttattgat ggtaccttaa cctttgtag ctttgatcca ttatactcaa tcttgattca 420
 atccctcgaa tcctta 436

<210> 29583
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a08d1

<400> 29583

aactccaaat acatacatat atactgttca tttgtttggg aggggaacca atcattaaac 60
 cacatatgaa caaggcctcc tccacatata aaagaagtaa tgagagaaaa aaataaaatc 120
 agaggaagaa aaaaaagaga gaaaattttg cttttgttta caagagatat ctatcttgct 180
 gtaggctgtg caattgattc atcaattgac atgtaactct caggttcacc tatatccatt 240
 gaccccatgt tcatggaaga atgaaaagaa tatgttgcat aatgtctgac tcgccttgct 300
 tgaatgattt tgactgtctc tcaatccatt ttgcatatcg gaactatttt agagcatctg 360
 aaattgaaag ttaaca 376

<210> 29584
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b03d1

<400> 29584

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 atcacatcct tatcgactc tttgcacgtc tgcaactcta acaatcattc tggagttggc 180
 aacaacatta aatatttggc ctcgtgctga gatgataagc tatcttttgg cctatagaac 240

ggtcagcctg agaccagtat gatatccaga cactgcggtat ctcatgggtg acccgtgggt 300
 cagataaagc atcaacccat cggtgagcaa atctatcttg cctgtcaggt gcccaagacc 360
 ggtgtctctc tccgggctgc tagaactcgt actccttctc aattccacac ttttcacgcc 420
 ttccactgca tatagcacga cgaatgggga accttttctg atgacgaaca tgatcatacc 480
 ttgaaggga 489

<210> 29585
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b08d1

<400> 29585
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 aatacataac agtatcaaga gaatgatatc aaactcaacg tgacaaaatg gcttttggtta 120
 ctttgctacc tggggaacat ataaaagtaa aagaactata taaattaatc cagctgagga 180
 acccaaaaat tcagatctgg gccaaaacaa ataggaaaaa ctgagtaaaa aaaatctccc 240
 tcatttgcta ttacgtgct gtggcatagg tgggggctct taactcgatt ttctatcctt 300
 tctttccgca atacccaaac ttaacatact ttgaaccct ttattttctc cacaaaagaa 360
 cattcgacca gaaccttaaa gaattatgtt ctaggtcttt cttattcttc aattcatgaa 420
 gtcctgagct tctctttgta agaacacagg agagacagga aaagtactga atgcaacagc 480
 acaacgcagg acaca 495

<210> 29586
 <211> 438
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b10d1

<400> 29586
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 caccatagtg ggatactcaa aagtatagtg aactctttac ttgccaatg atccaagctc 120
 atggctcgaa gttctcatgt tcacttcaa actcctgctg gttctgggtc ccgtttagt 180

tgccacctct gttgtgttac cagttgttag tgttcacttc ccttgatgag tcaccatagt 240
 ttgttggatt gtacttctcg gcggcaacgt catgaaagta ttttccaccc tccaaaaacc 300
 ttgtgtcact cattccttgc ctctcaccat tgtaccggtt aacggcattg ttgttgttgt 360
 aagtattgta cctgttattg ttagcattgt aattgttgtt gatgttgttg atgagtatat 420
 gccattggca gcaatcgt 438

<210> 29587
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b11d1

<400> 29587
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 tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
 atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
 ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg 240
 atcatgttgt tctcaggagc taatccaaca caagccctta ggatgttttc cagcatagct 300
 tgctgctttg acagtgcatt aaccactggc gtactcgggtg gaaccagagg ggccttggtc 360
 aggtaactga ggatggtcgc aactgggtgg aatgagtgga actttccctc atattcagct 420
 ttaaactcga ttcgagtgtc aagct 445

<210> 29588
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c04d1

<400> 29588
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 gcggagcggg cagggacatg gggcagggtg gttggggaga ccgaagaacg ggcaagggtg 120
 gttatgaacc ttagtcttcc cgaactggtc gaggtagtgg aggaattcca gcacgtgcgc 180
 accgctgcac aaggtaagg agagtgggtg acgggtggtc ctcagggtact ggcagaacgt 240

gttccagtc cttcgctttt ggttctcgta gcggtcggga gtagtagtgc tcctcgctgt 300
 gttgcttccc gaagacggcg acgacactgt cgccgccgtc gttggatgat ttctggtggt 360
 cggggtggga actgtttcca ttttgaacct gctgatgggg tttgtaaccg ttgaaacgac 420
 gttatttgat ctagaacct aatccttggga tctgatatgc ttttctttaa tccctt 476

<210> 29589
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c05d1

<400> 29589
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 aatggactaa aaccctatgg ctgcttgtga atttgaaaat ctcagacttt taccatcaaa 120
 acaaaaaaca gtactcatca aaaacaaaca gcaacgaaaa tgttaccgcc gatcaagaac 180
 ccagttttga aggctactgc tacatgaaat cggcggacac ttcaaaatat aactggtaaa 240
 acaaacacct aagactctgc aaagataaac tactgtaaag gaacaagttt ttttgaaacc 300
 acgttgatga tcacatgtgc tagcaaaatt gccaaaatgc aatcactttt tcttggcggc 360
 agctcttggtg accttggctc cggcgggggtc tttcttctta acactcttga tgacttcaac 420
 agctacggtc tgacgcatgt cccttacagc aaaacgacca atgggagga 469

<210> 29590
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c06d1

<400> 29590
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 acaattttga tggctggggg gagttgatga gagggggaag agtgaaagaa gaggcaaata 180
 gctgacatat catccatcgc aatgccactt tttttccgtt tccattcatg tatggcacat 240
 ttcacaagcc tttgagcagc tttttcttta tgtgacgttg ctgaaacaat cttcactgct 300

tcttggttgg atataacatc ccatacccca tctgttgcca agatgacaaa ttgatccctg 360
 gtggtaattt ttctgtgtgt gacattagga acggagatta gtccaaagtc cttcatgcag 420
 tggctcctaa agctctagat attgctagtc ctgggtgtta ccatttggat ccaaccctga 480
 cacttctggt tatcttcata caaaatacct tcttggatgt gtatgctttg cctct 535

<210> 29591
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c07d1

<400> 29591
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 aaatccagat ctatacttcc aactgtattc agaaacataa attgaagcaa taacaaagct 120
 caatctccaa ctacacatata caagtaaaag aaggcacaaa gtgacagtgc tcacttctca 180
 acaacacaac aacaaaagaa aaaaagagac tagttatggt ttcacatca tggtattata 240
 tctaaaacac caagctcgaa aaccacgtac tatatatthca aatccatata tgtaaatttt 300
 aatcacgtaa taaaatcaac ccaaaactga ataaaagtga taagattatg taagtatgag 360
 aataaacccc atatattttat atagagagag agagattgag agagagagag aaaggagcaa 420
 ggtgaaattt ttaaaccagt ttccaggtaa 450

<210> 29592
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c11d1

<400> 29592
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 actccagtac ttctcatcac cctctttctc cttccctca tcactctccg acccatcccc 180
 gcccatcttg aaccgcgtca cattctccac cgctgcgctc cggaacagcc ccacgtctac 240
 ggcgcactc accatgtgat acccagcga cctcaaattc cttgccccat catacaccgt 300

ggcgaaacct gcgagataag ccccaatctc aacgttgctg ttctcggtct tcaacacctt 360
 gttctcagca ttcttcaaaa ccttcctcac ttctctgttc cctgagtcca caaggacctt 420
 aaactcgcg tcagattcaa cgggccatct gcacgcagtc tacgcca 467

<210> 29593
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018d01d1
 <400> 29593

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 aacactctct aataaattga aaacagaatt ttcattgtatt ctactatctc ttattttatc 120
 aaccaccaag tgaaaccaat ttccagtttc acctagtgcc actgagctag ctagcttttag 180
 ctgcatgccg aaagaagaac atttgggata ttgagccaat ccaatagata gagggcccaa 240
 ctattaattg ggcttcttgg agttaccatt tagggggatc caaaggagga atttcaccag 300
 ctgagtttac acttaaaatt ttccatttag caacatgggt tggctatgta aaatc 355

<210> 29594
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018d03d1
 <400> 29594

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 ttcatTTTTat gtcagtctaa ttccaccttt agtgtggaaa ctgcatgtgg agatagatga 120
 caacagacac acatgaatac cctttcaaaa tctgaagcct acacaagaac aaattacatt 180
 tccttttcta taattctaca aagattaaac acacttcaag ttccatcca ccaaagcta 240
 tggtggttga tataaattag aggcacaaag actccacaaa aatgatgcaa cacgattctt 300
 cattgaaaac atcgaagtga gagcccctgt gaatcttgtt caaatggcaa cccaaattaa 360
 cccattttgc aactgtccca gcactgctac tcggaactat ttagtctaga atcctttata 420
 gcatgtattt accaaggcaa tttttgcatt ctctacctta taag 464

<210> 29595
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d06d1

<400> 29595

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 cctttgagaa caattctcat atgtatgcaa ctgggttcaat aatatgccca aacttcatgg 120
 tcatatttat atataatacc ataaaagggg aggtttttga agagcaaaaa gacaattcca 180
 aaacgtgtat tggaggaggc aagaaggaag agagttag cccatggcat acttctgggt 240
 ccagcttcta gcagtagact catacttgaa tttgtcggtc ttgcacaaat gagcaatttc 300
 aggcactaaa gggcatcaa gatttggatc cgtagcaga gaacatattg agaagc 356

<210> 29596
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d07d1

<400> 29596

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 cacaatattt tcatcaatta aactctaag tgtaagaaaa gggctaattt acaaaacaaa 120
 aattatactc tatatgttta tatggaaaaa tcaaaaagcc aatttcctaa atctccaaaa 180
 cacaccagc ttggacatgg cccctgaacc cctctgggct ctccagtttc ctcccattgc 240
 aactcttcac atcgaacgca taagccacgt ggacttcacc atagccgctg gatccaatca 300
 acaccagcgt cccatcaaac gcccacacgt acgacacgtt tcgtatctcc cccgggaggg 360
 acgccatctt ctgccacgtg tccccacgaa gggcaatcaa gtccctgccg ctgcacaaga 420
 acaccctctc gtcac 436

<210> 29597
 <211> 98
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d08d1

<400> 29597

tcgctcgcga tctagaatcc tcgagcccggt atttttattg tttttatgat tcttttttat 60

ttgtattttt ttatgggttta tttttttttt cttgcacc 98

<210> 29598

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018d09d1

<400> 29598

ctgtgggtcga tccttttttat aacatgtctt tgttatttaa taatcattta tttttgttta 60

taaaaaaggg aacggccatg ggggggaccg aatctaatacc gccaaaatta gctaccaaaa 120

tggtttttaa tgtaccaaac ataaccaga aaaaacaatt tctaattaaa taaaaccaa 180

caccttttac ccctaacca aatatccctt ctattcctac aaaattgggtg gctgggtttt 240

aactttcttt gaaacagcct ataaaacaga ttaatttttt aagaaaggaa cttttggcaa 300

tcacaagaat ggcatttaca attaattatc ttcaataaag tttttcaatt tatcacgggt 360

cttatcagac aaattgcaat ctttgaaaca ttaactttgg gggggacatg atataacaat 420

gttttaaatg ggtgat 436

<210> 29599

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018d10d1

<400> 29599

caaggagaaa ctgacatgat aggatataat tatataaaat tgtacatagg aagtggaaat 60

gtgaatgtgt ggcagggtga taaaaatgaa aagagaagca acaataataa agtgaatgag 120

aaattttaat atcacggact aaaatatcta ttcactcgaa attttaatgt cacggtctct 180

tttgactca ggaggagaga tatgaggata gcgttttagtg tcagtgcagt agttgtagat 240

ggtgtatttc tggcgcaccc atctgagcct acgccactgg gcggtgtcaa ggtcacggaa 300

ctcaggctgg tcccaccacc tcttgccctg cgtgtcgcag aacttggcgt tcaccgaagc 360
ctcgtacccg tcgatgtgaa accccttgta cgc 393

<210> 29600
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e04d1

<400> 29600

gaacatcatt atttatttat ttatttattt atttatagct cttaacacat ataattccct 60
ggatacaaca tgtatactgg tcatattcaa ctctagagag ctttatctga tatgatcatc 120
cttaacatat tcaaagatag ctaaatactt aactgtataa tatatcacac aaacgtagag 180
tgacatatat agagtaaata ataaatataa gtttaattta tacacacaaa ctatgagtat 240
ataacatcgt tatccaaata ttcaacaaga atttacttta ttaccgcac atgttaaaat 300
gttgcgataa agtggtgaaa tcctattgaa tgcttgagtc aagatgcttt gtacgatcaa 360
agtgtgtata tatcaaactg tctatctata tatatatata tattccacac ttttaattatc 420
agaaggctca attaattaac cagttggaaa gggaattcca caagaagcaa cggttcttcg 480
ggcattatga gagtaacata ctgtttaagc tagcgttttg a 521

<210> 29601
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e06d1

<400> 29601

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tggctaaatg gaatctgccg cgctagatat cgcataagca tctactacta ccttataaac 120
taacttgtaa caggggaagt atgaacccat aaaagtaaaa acatggaagt tagaagccaa 180
attcgtacac aacaatacaa agaggaggct ttactaaact aaattcactt ctttcttttc 240
tttgggggct gcaatgcttc ctcactctcc tegtctctt cattctcttc atccttagca 300
ccatcttcat cctcttcttg acctgcctcg tcctctttcg aatcaatata gacatcctca 360

tcgtcgatcat cttgatcatc accatcttca tcttcataact ctt

403

<210> 29602
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e10d1

<400> 29602

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attaacacct aggacatata tatgtctaca ccaaacatat agctacaata atttctcaca 120
gaaaagacat taatccttga tgagctccca ttattgggtg gctggcgtgt cttagcatcc 180
cctccaactc tgtagcaaac ctctccatgg ctttggctgg caagctaatt ggtaccacta 240
tcacatgctc ttctttgtgg atcttacatg acacgtacac gcttgtcatt agaggaaaac 300
ttgtcattcc acccgtggca ggcccaccat aaatgggctt gcccaccca aaatcaacct 360
tatatagccc aatacgtgta agattcgaaa caaggtagga cctcgtagtt gcttgaaggg 420
gtctttcttt caccacaatt a 441

<210> 29603
<211> 328
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018f02d1

<400> 29603

ggagggaaaa aaaccctttt ttttttcccc aaaactcaat tcaatctccc aaaaggggga 60
aaaaactccc caactcaaaa aaaatcccaa aaaaagggca aaaaaaccgt gccccaaaaa 120
agacaaaaaa ggggccaag gaaaaaatct ttgggaaaaa aaataccagc ccccccaag 180
ttaaaacagg cgcgaggccc ctttaaaagg aaacccctc ctttttaaaa aaatttgggg 240
ggggccctac caaaaattcc ccaaaccgtg caaaatttta acgccccca aggggtgaaa 300
aaagggccgg gttgggcaa aaccaaag 328

<210> 29604
<211> 413

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f03d1

<400> 29604

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 ctgtttgggtt tattaactga acttcaaagtg tgggaaaagg aaactgaaat gggagtaatt 120
 tataattgga actgcaggag gagttttcag agtatgagaa aatatctgga aaaagaaata 180
 tgcattaact ttcagatctt ttatgaccct gatccccatt cgccctttgg atcatcagcg 240
 tttttttgac tttgtgcaag gcatgtttta ggtttttcag gtcttgactg gcgaatttgg 300
 tattcacgaa taatccacta taaaattaa aactattttt gatcatcgtc gactttaatt 360
 taacaagtgt cttcaagccc ttaacgtcaa taggtgtgga ttgatatcca ttt 413

<210> 29605
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f05d1

<400> 29605

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 attggccaca accacatttc ccttgatggg tcaccatcat ctgcagcctc ggccagatct 120
 tcgtccatac ttttcaacaa tgaaaaattg aagtattttg accacataaa acctttccgt 180
 tgttcaatag ggtgctgctc ttccatagaa ccagtgttag gatttatata taccatcttt 240
 cgtgcactat gataagccca tacattgatg agaagttcca acacgcgaca gtagcagtgc 300
 ttctttctcaa tctctgaaga gcctaacaag cacaggctgt atttagtgga gtctctgtgc 360
 ttaacatcaa tggaatcaac aaacattcga aagaacatta tgaactccaa gaaagaagag 420
 gttggcatca ccagctgtg cagtgtgac caataaccac catc 464

<210> 29606
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f08d1

<400> 29606

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 tatagcaaT tttttactta caagggTggT tttccatttt tggaaaaggG gtctaaacca 120
 agggaaacttg gaaagggagc acaaaatctc ctttgctcaa ggccatcgaa attggccggg 180
 gcaaaattct tgggtaatgg cccaacctt 209

<210> 29607
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f09d1

<400> 29607
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<210> 29608
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018g02d1

<400> 29608
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 tcaaatttta cagcactgcc taatgcatgg cctagtTcat ctatatacac tacattctgc 120
 acaccctttt gcattcaaac aaattcaaga gaaaaattac aatgtataaa aaccaacaaa 180
 tatgctataa tgctatgcgc cagacaatg aaaaaagaaa agaaaagaaa gagaaagtaa 240
 atacttaatg ctgcaaactt gttcagtcag ttccattatt tgactttaat atcgcccttg 300
 ggctcggagg aaaggttctt ggaggatgga gattttccag tgatagctat ctttgctttc 360
 actagtgact gcttaacctt tgaaatgatg ttatctgatt gcttttgagc tggtttggct 420
 ggagtttctt ttggaaggcc ctggat 446

<210> 29609
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018g05d1

<400> 29609

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ctcacatggc cctaacagct tggaatcttg gttccttggg aaggaaacttc tgctcagcat 120
agacagacat gtagtcacca aaaacaaact taggataagt ttcacttact tgttggtctt 180
ctttctccac aagttgtggt gcaggacata tgggtggcctt gaatgaagga ttatagaagg 240
aggcaattga tcttctgttc ccatctgggtg tggccagaac cctgtgccag caactcttgt 300
atctaccatt gctcaagacc tcaatctgat caccagtgtt gatgacaatg gcatttggca 360
aaggctgcac atcaatccat tgcccttctt tcagcatctg aaggccacca accttgtcat 420
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<210> 29610

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g06d1

<400> 29610

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acaaacagaa acattctcct tttgttgaat cctaattttc tccttcagat ctagattgag 120
atctccccct cttctcttaa tctaaccttg ttatttaata ttaaaaaaca aaagaagaaa 180
gagatggcaa caataattga tattcataat tagagaacag cagggaaaga gttgctccca 240
tttctaaga aaacttaaac gcaacctttc ggtgcaaacc cgacctgtga acccgtcaga 300
tcatacgaga tccggaaact ctgttgctgg atgttaccaa ttatggacaa accactcata 360
gttcgggcaa acgcgaagca gaagcttcca ctgttgacca ccggaatcaa gtaattcggt 420
gccggtatgg acacgtcagc acctctgaaa tgcatt 455

<210> 29611

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g10d1

<400> 29611

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 ggcaccatgt tacaacagag gacaccaatt taataaatat aaataaagga tatcaaaatt 120
 aatacccaac aggaaaaaag aagaatacgt tgatatttct aactaacatg gtgcatatga 180
 ctcatagtgg aagcacagtt acacaggaat ttcgagtagc caaaaaaccc aagaatttgg 240
 gaatctcatc ccaggcttaa acaatagcat actcgagctt ttctgctcc ttaggtcgcc 300
 acttggactt cttcacacat aacaagcct ccttattcctt ggagtaagtc atgcgaacct 360
 ttcattgcat agacctagcc atgctctcaa gctcttcaac gatctccaca gtgtcacgaa 420
 caataagttt tccttcaggc ctaagaattc gatcagctt ggacactaca gct 473

<210> 29612

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018h01d1

<400> 29612

atccttcccc ttctttgttt ccgcgggatc ctccttcaca aactcagatt gcggctgcgg 60
 cttctgctga tcaccgaaa acttcttctg ggttttcaaa tccttaggct cgtcaccacc 120
 cttcatgttt ctcttggtcc aaccaaacca taccttcttc tctttaaccc caccaccatt 180
 ggaaccattc tcatgcccac caaacctcc tccaggctcc tcatcttgac aaatagcatc 240
 agaattcccc attcgaagcg cggaatccag ttgcatcctc tcctcagcag tcaacacatc 300
 atcactga tcatcattgt tgtctccatt caccatactc tccccatcat ccacagcaaa 360
 aagctcctca tcggctcattg ccccgggcac cctactggac tttaactca ccatcacatg 420
 aagcatgtca tataccctag ccttccaatt ccacaatct cggctctctc ctgcgcgcgc 480
 cattcaaatg cggaacaagc tctgcct 507

<210> 29613

<211> 571

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018h02d1

<400> 29613

cgtacccaag ctacgacaat caaaatgata tgatttaatg aataattgaa ctcataatat 60
 ctgaaagaaa caggatatag atcagcaaaa atttccttta tacaatatcc cttctttgat 120
 ttatgtccat aattcgcttc tctcccagct tttggcatag taggcatact caaagcatat 180
 ctacatcctt gcagtcagat taaagtttgt gctctatgat atgctgcttt ctatcttcaa 240
 tgctgtcata aagactctca acaaggtgaa gcaaaaattt atctgcacca tgtctggcca 300
 ccagagaaat tgatagggga aggttattat acatccctag cggtatgctt acctgacaaa 360
 atcctgatac tccagcaatg gacagcaggc taaaagccct tgcacgaaaa atttctaagt 420
 cggatgtatt tgtctgtagt tctgggtggag gacctggaac tgtgggggatc attagaacac 480
 caaagtcccc aagaagagcc gaaagagcat cgtgtagttc ccttttatag aataacggat 540
 ataatgtttt ccccttgtcc taggcatttg a 571

<210> 29614
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018h03d1

<400> 29614

accggaggtc gccctttctt tcttctttta aagtctttaa aatctgagat ttgaatgcaa 60
 agtaaacctg atacattcta ctgagattga cccaaattac ttatatggga agtatatctt 120
 cttgctaaat tgctatagtt aaacattgat tgatctaaat attagaaaac tattagggag 180
 tagactatca ctttaagggtt cttattttac tagattttct atttaatatata cccatttata 240
 cgttattgtg gcacaattag atgccttact ggtacatggg ctgcttgtgt tattgccgag 300
 aact 304

<210> 29615
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018h09d1

<400> 29615

cacaccggaa ttataaatTT tcatttgtaa ggggaggaaa gtggaatagg agtgtttaac 60
 ttttggggtg aagtgtaaac tacaaccaac tacacatgaa gcaagatttt cgtacaagtt 120
 ttgtatgcac acttcgcaaa aaaaaagatg ctttcacctt tatgtgcaag cctaaaaatc 180
 aatatactat cacatgaatg tcataaagtg actacacaac cagagaacct gaaaaacaaa 240
 ccttttattt ttaattacaa tggacccggg gtacaataaa agccaggcca ggaggacact 300
 tggaagattc atgtgaattt ggggttaggc acagggccac tattttggtg caagggacca 360
 agcttttgaa tccaatga 378

<210> 29616
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018h11d1
 <400> 29616

gtctaacata attctgaata aataattaa tactctttgc tacaagaagt ccatctatga 60
 aatacaggat tcaagataat ccacttccac caaaaattcc acctatttga atccggaatc 120
 cgattgccga aggcacttca tgttctaaaa taactttatt ctctaaata catattgaaa 180
 gagcaagttt cgtttcttat tttcaataaa caaactgagg atgactgaaa cacatgatta 240
 tagctacaca tgagactaga tcaaaagcca aaccagcacc aacaaaggaa tataatgtga 300
 tatgaatgaa tcaaacagtc aaattttaga acactcgga cggtgtaacc ctgcaatgct 360
 agact 365

<210> 29617
 <211> 102
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020c04a1
 <400> 29617

aaaaaaaaaa aaaaaaaatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaag 60
 ggggcggccg ccacctaaat gaagctctc aaccgggaa tt 102

<210> 29618
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da03d1

<400> 29618

gggtgactta gggttatcct gcatttcagt ggtgtggtca atatattatc aagttcagtc 60
 actaggccca gtcagaaaga ggacacacaa cacaatcatc ataacatgaa atagggtccaa 120
 agctaagcca ttcaactggc cccaaagcaa atacttggtta aactttgagc aacaaaagaa 180
 aatgtcgccc caacattagg ggggggtccta tctgtttttg taaataacag tacctcacat 240
 ctagaagccc ccattaaaaa tggatccctt taatgcagag cacttagcca gcaatgacaa 300
 actgcatgaa gcagcagttt gctaaatttt ctgtatgaca actgaatttg ccagtcctgc 360
 ctgctctata gtctgagttt catcaattag aatctttggg gggaaacca tcaactgaag 420
 ttgataattc tgccgacccc caggtctaga tgcattcaatg aaagcacgga tg 472

<210> 29619
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da04d1

<400> 29619

attcttcccc actttatatt tacatgcctc tcccaaattc ccctccaaac aaatgtcttg 60
 gggggggggg aaaaaaacg caccgcggcc ccccccgaag aacaagcaag cctttcccaa 120
 aattcaccta aaacaggggg ctctaaaaa ttcacccac cgggttcctc cccccggggg 180
 aaaaccccc cccaaaattt tttgggttga gacccccgcc ccctttccaa aaaaatccaa 240
 agcagaaaaa cccccggggg gggggccctc cccccccctt tttcttttgg gggg 294

<210> 29620
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da05d1

<400> 29620

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 atgaccatct caggaaatat ttttttatta ctttctaaca aacattattg aaatatatat 120
 taccatctcc acactcacia gaatccaata agatttcata aaataaatat cccttacata 180
 cccttcaaag gtcctagttc ctagttccgt aactgtgcag attgaatcag ttgggccaat 240
 gcagcagcat actgaacagc tgtatgctga gaggtataat tgtcagaaag cccatattct 300
 gcataatttg gttctgtatg catgaactga ccggctaag atttttttaga cagcacttct 360
 ttccatatat caatgaactc ttccaaaatt tgcttggaatt tttcaactga cgagataggg 420
 agatactcaa tctcaatcat aattcctctg agactctccg cttgactggg aacaacttta 480
 atcacctga tctgaaagtc acccaactta tacagcactc cctcgaaatg aagggcgact 540
 ttggacttgt aggactggag tt 562

<210> 29621
 <211> 452
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400020da07d1

 <400> 29621

gtcgatcaaa aaactataaa ttttaatgca ttaagtttca gaactacacc agtatattaa 60
 aataatataa cacattcaag aaaggagacc caacacagca cccccacaaa ctgcgagaca 120
 aaagaacact gcaggaatac acagtaggat atcatattct tgtcttcaaa cagcgaccta 180
 aatcctcttt cacgggacca aaagttgaac cctgatccac acgagctttt ccctttcgcc 240
 tccaaaattt tcttcattcg ctgcaccca aacaaatcaa atcattegct cgtcgagact 300
 gcaatcaaat caaacgatca agaaagctct caacagccgc tctcctccc gtgactctca 360
 cttgcgtgag ataaacgccg aaatccaaca ataaaatcaa ccaatgaatc catgatcacc 420
 gcctcatagc gaggaacca gggaccggaa cg 452

<210> 29622
 <211> 498
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400020da09d1

<400>

29622

gcagaaattg gagaattttc tattaacttt cctagtaaaa cggcagtgac ttttcaatat 60
 acattcataa accctggccc caatatcact aaacaaatga tcctattctt aaaacgacct 120
 aaatttatca tctctatcat tccatttaca taaaacg-tg atataaaaaa ataataacaa 180
 attatattga aaatggaggc aattttcatc aattacccaa cttaaattga tatgttgagg 240
 tcaatcctag gtttcttcat ggaaggaata ggaacaagag agttacacct aggacactta 300
 ggggtgttct tcatgatcat tacatatgat aagcaaccag ggcaccctgc agccataggt 360
 gatgatgaaa cattcagcct ctctttacat tcatcttctt gaattgtggt ttcctaate 420
 gacgacgacg aggaggaata cgaaagcgac gacaccgaga gaggtgactt caaatgagg 480
 ttcttttctt gacaatag 498

<210>

29623

<211>

388

<212>

DNA

<213>

Glycine max

<223>

Clone ID: jC-gmst02400020da10d1

<400>

29623

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 taagaatttt tatttccaaa atttacttcg gttctttgta acatgaccaa ctggccacat 120
 gatgtcaaac caatttcgta atttaagaaa aaggaacaga aaatgtatac ttgggggttc 180
 atatgaaaac attttagcca accttttacc ttagccacca tttttgaatt gtaaataatag 240
 gagttttcaa aaatggccca tgggggttga tgagcggatt aaccgacctt ccaatttggg 300
 cccaaacact ttgatggtaa ggggcgggta caggaatttg atacatgagc tttaaaaact 360
 gccagtacat gaatgcttgt attatgtt 388

<210>

29624

<211>

506

<212>

DNA

<213>

Glycine max

<223>

Clone ID: jC-gmst02400020da11d1

<400>

29624

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 gaacccttga gatccaaacc acaaacaaaa gcagcaaata agaaagtaca gagagggcaa 120
 aaaagtaaag agagaaatta atcgacggtc tgcattgacat cctcaggagc gaacttggtgta 180
 cccttttctt tgctggcggc ggcgcgaccc ttggccttcc gatcgagcaa ggatttgcg 240
 tccttgtcca ttcgaagctt ggtgacgaca accttgggaag ggtgaatgcc aacgttgacg 300
 gtggagccgt taaccttctc gcgggtgatg cgctcgatgt ggatgacca cttgcggcga 360
 tagacctgga ccactttgcc ctgcggcccc ttgtaggctt ccctcaccac ctgcaccttg 420
 ttcgctccttg cgaaccggaa tggaccgcac gttgtacttc gaccggagat cggtcgagag 480
 aggcgcgctc ataagacgcg acgcac 506

<210> 29625
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020db01d1
 <400> 29625

aaagattgca acagttataa taattaatta attggatatt ccattatata gtatcctttc 60
 caaaatatca tgagacataa aaataaaaaa caaagaagcc tggctctctgt tcatacaaca 120
 ttatatcaca gattgccaat cattttataa actagggcga ttcttaattt agcacaaaga 180
 aatgacattc aaagcccacc tccatgagag gaagaatacc acccatcaaa cctataatgg 240
 atatcagggc tcattctagct ggtcctggac atcagaagtc caaaggggtga ggttgtctct 300
 taaaagctgc attatgagcg tgctgtcttt gtaggattct tctcccaagg tgtccagctc 360
 agcaattgct tcctcaaaag cctgttttagc catggcacac gctttgtcag actgggttgag 420
 gatttcatag tagaagacgg agaagttgag agcgagaccc aatctgatgg ggtgagtagg 480
 gggaagatcc ccagaagcaa tgttctgggc agccttgtaa gacaacatgg ta 532

<210> 29626
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020db02d1

<400> 29626

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gggggaaaaaa tatcggtcccc ttttctcctt aaattgaaaa ttggacccaa aggaaatatt 60
attccccattg gactaaaata cccccgatta ccaaccggaa atttttaacc taagggtggt 120
ttaaaggtt tcccttaacc ccccataaca aacttccctt taaacagaaa tttcctttgg 180
ggggggccctt tttttgttta aataattccc atcttggggg ccccatccag gggggcataa 240
tcagggggca acccgacata ggcccttttg ggtccatcag gcctgccaca aaaaaattaa 300
aatttttaaaa aaatggcctt ttgtgtaagt ttgaatgccg gtttttcaaa aaattggggg 360
ttcattt 367

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<210> 29627

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db03d1

<400> 29627

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aaaattatac ttttaataaat tttatattat tttacttcta catattattc atccaacata 60
tggtgtacat gataaaaaaa aaaaaaagta atgtcttggg tctttttcat gtctttttca 120
ggtgttcgtt cttcttcttg tctgtattc atatcttgat gtgtatccaa cacaatatga 180
ttattatggc aatgaaccac ctccatgaat gttaaccgct gtctcagggt cggagccatt 240
gatggatact gtccccaaat tagtgtctgt gtcattaccg gcaacattaa tagtaacttc 300
gatagaagct tcatcaggta catcagtgtc aggatcaaca tcaacgttaa tagtaacttc 360
gacaggagct tcatcaggta catcagtgtc agggtcagca tcagtgtcag agtcagcatc 420
aacgttaata gtaacttcga caggagcttc atcagggtacc tcagtgtcag gctcaacgtt 480
aacagtaatt gtgacatcag cttcaacacc agcttcatta gatgtgccat tgtcattgtc 540
gac 543

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<210> 29628

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db06d1

<400> 29628

aagaagggtc agaatctgaa atggggcatg agtcattaca atggaaataa attgaacttg 60
 ttactacaag gttgctgact aaacttgaat catctctgct acaatttcgt aggtcacgcg 120
 ttccaaaacc gcttcagcaa cctcaacgca aatatgtctc acttgcggtt tcaactcact 180
 ccattcatcc atcgaatcca aactcagtaa ctttggttatt agatttgtct catttccacc 240
 caactccctt gtcctttccc atattatctt cccagctct tcgggtcccc tagtcaattg 300
 tttcaaacat tgttggtgtc tacaatcttt tctcgaaaga tttataggag tactaatctc 360
 tctcacacaa taaaataaaa gttgctttgc cttatgcaac aacgttttag acttcaacac 420
 gtggcaaaca tctggatttg cccaaggaa ctctcgcaac tccttgctac acttttctct 480
 ctggctgatt gaataag 497

<210> 29629

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db09d1

<400> 29629

caccagacaa tgccctcaac ggcgtatact tggcacagta aataattcta caataagacc 60
 attatatata agatccatgt gacagatatt tactaatagt tgctaacata actagcatta 120
 tatgatgcaa ttgctcctgt taaagcattt ttgttaactt cgtaattggt cacaatcac 180
 aattgttaaa attcctccga cacatccata ttaacaaat ctcccaaac actcaaaagc 240
 atcctgttta aattccattt agcagaaatg attcgccatc tcaatatctg ccagggtttg 300
 taatgcaaca ccatcaatct tgaccgtaaa tcaatagtcc ctagaaaact tcaacatctc 360
 tgctcaaag gcaactctta aatgatcaag ttccctgttc agatcattaa tagactggtt 420
 atatgcctgc attggcgaag actgactagt ggggtggatt ctgacgatat ttgatttga 480
 gagggtgagg aagcttgtat cggcaaacaa a 511

<210> 29630

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db12d1

<400> 29630

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aaacatatta cacgttttac aggggtacaat gaacacaatt taattttggg ttgggtgcct   60
ttactacatt atgccgttca aaaaaaaaaa aaatttcatt tgtacacatt ataggtaaaa  120
aaccaactaa caacagaaat tgtctggacg gaacttttat aaaccctac cgggaaacgc   180
ttatatattc cttaattttt tcatatgatg ctgttgaaga ctatagaaaa acccgtataa  240
aacaaaaagc atgacacaaa aaggtggacc gaacatgata aagtctactt agcaagcgca  300
tccacttgac tgaggttgaa actgagcact gccatttggg gactttaagt ttacattaac  360
catgtatttt tgttttgaaa agatagtgtt tttattccag gttgtgctgc ttaatctttc  420
g                                                                    421

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<210> 29631

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400020dc02d1

<400> 29631

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aaaattcgaa gcaataatct tctaaccata tctactacaaa taaatgcatg tatatacata   60
tctaagctct catagtgaag taggctacac attacagaac aaaattaaca tacttcagaa  120
gcaccagaac gaaactatga ggggtgttatt gctctgcctt gcctcttgct tctgagttct  180
tcccttggtc acgattttgc ttctacttaa ataattacaa ggaagaaagt acccttattg  240
actatagtaa ctattgagca gctcctacta catgaatttc ttcattntcc attgggctaa  300
aactcactcg tttcccacgt ggtttgtgat tgtacaccgt ctttgcgcca ccttccttcg  360
gcaccgacgc aacgccacca cccttgccgg cattgggttcc cacatacaaa ctcatgattt  420
tc                                                                    422

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<210> 29632

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dc07d1

<400> 29632

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 taagatacca tagattgaaa caagtgcttg ctgagattct cactcccagc ctgaattcaa 120
 tcacagcata ggatacaact tcaataagag gtacagttgg gaaaataaac caataacgat 180
 gtgaaaacaa aatagaagac aacattcaaa aaacgttttc ttctccacct cacaaaaatg 240
 gttcccaaca attgcctccc ttcccacata tctaaattca tctcagtttt ttatagctgc 300
 tgggtgtttct tgtgatcagt gttcaactca gatggggggc gggagggaca tcaagagtga 360
 ttccagcttg gatttgtccc cacccgataa gacgccaatg cttttcaaca cgtc 414

<210> 29633

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dc08d1

<400> 29633

aacaattgct ttattaaatt cataaatata catgagtgtc catatatcag attttaaata 60
 ttgatcaccg ttgcggagcg tttattaaaa ccttagtaca agtgacacgc atatataact 120
 aaaataactt gccaccacag tattatgcaa agagctgtac ttccatgcag aaaggggtaa 180
 cactcatcat aacctcccag tacagaaaga ctataaggtc tcagactctc agtaactatc 240
 agcgatactc attagagagg aatatgttcc aaggattcca caaatgactt cgaatgcagc 300
 aattgcaaca ctgagtacaa cctgtgacct tgaagctttt ttccaataa ttttgagaaa 360
 acataaactt ggcattaacg ctgacacacg tatactaaag agagaaccaa ttgaagccat 420
 cacaagccca aaaaaggga cccaaaaggc aacacaaa 458

<210> 29634

<211> 345

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dc09d1

<400> 29634

cccaaaaaaa aaaaattggt ttttacgaac taatcttccg atttttttct tcccttccca 60
 ttaccggggg gggggataac aaattgcccg ataaaagggg gggtttcaaa agggggggga 120
 gaagggggcca caatggcaaa ctttgccggg catataagtt atgttttttt tgaataaaac 180
 attaagttta acaggggggg gtttggtctc gcagaaaccc ccctggaaaa aaaacaggg 240
 gaagcgccgg taacaaaaca aaaagatact ggtgatttgg gcccttcatt ttttggggca 300
 agaccaccga ttaactcttt taaaaaaaaa tttgtccat ttac 345

<210> 29635
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dc12d1
 <400> 29635

aaaccactcc aatcactgtg cttcttattt tacattctca catcttcaag ccattacata 60
 gtacatatga tacattacat accacagggt atttttatta tcaatacatt cttcaccact 120
 tcttttattt tggggagggg tgggtggtta caagaggata ttggtatttt tttatcaagc 180
 acacatttga tattatacaa gataagtga aacaaattaa tattacacat aaagtttgaa 240
 tatccttgac agaaagctgg acggcttatt cacaacaagg tagaacagac aattactttt 300
 gcatctcagc aaactggctg caatcgattc ccttgtcaga aaatgcctct actagctttg 360
 ggaagagctt agcaagcatt attttaaate cagtagaagt tcccttttgg ttttcatgct 420
 cagcttttcc accacaaaaa ccacattcaa taggagcttc ttcaagatat gccttaca 478

<210> 29636
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dd02d1
 <400> 29636

ggaataagg atataaaaca taatattaat aacaagcagg gggctgggag aacttcacga 60
 gactcaaact aggagaggct tccctcacat ctttggctct attattatgg ggttgccaca 120
 ttttccttgg cctgtggagc aatttcttct ccatcacttc caggttcact gccaggaact 180

cccaagctta gcagcacttc ctcccactcc ttagcaggcc ccttgcatga aagatcttga 240
gccatgccgt tcttgataat ttctgtaaaa gctggagttc catagactgc aagggccctt 300
ttgacagtct ttgatatagc atctcacatg agccggatcc acagtatcac attcaacatt 360
gaaggcacc atttgaaatc cagggaagcc ttctttgaca gggtcacta atccacctgt 420
tgaggcaaca attggtacag atccatagcg catagcttgt aactgaatga ga 472

<210> 29637
<211> 470
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dd07d1

<400> 29637

caagcgaaat tgcagtttta ttattgaaga caagcaaagt ggtctgctaa gtacaattca 60
aaagcaagac aagcctacaa aaacaaggac ttgatttaaa agggaagaaa aaaaaatagc 120
aacaaatgga cgccctgcca ccacaccaa gcccttgaat atgaggtacc tagccttaaa 180
attgcacaac ataaccacac tgacaagacc aaaggaagac aagctaaagc cttttccaca 240
ctctaaggca tggatgaagat gcttgattag tataaactaa aaagacagaa gactttaaaa 300
gacatgaact aaagcttaag tctaagcaac attatagcaa atgtgcaaca gaagctaaaa 360
catgcttttt attgtcaaca tccagctgta cataataaga cctagcacia gcttgcacta 420
tctagcagtg gataccatca accaagactt agtaactgtt ttctagggga 470

<210> 29638
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dd08d1

<400> 29638

gggttattgg ttaatatattt tacattaaaa attcatctat tttccacgt taactaaaac 60
tttactaaca cggcaaaaaa aaaaaatctc aacaaacgtt tatccggcat ctacttaaaa 120
aatac 125

<210> 29639

095413.032200

<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dd11d1

<400> 29639

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
aaaagcaatg catccaaatt aaaaccacat tggtagtggg tcaacttttga acatcaaaca 120
caacataaaa cagaccacta gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
ttcctggccc tcaccagact cagcaccac ttcttcataa ttcttctcaa gggctgtaag 240
gtcctcacgg gctttagaaa attcaccgtt tttcataccc tcacccacgt accagtggac 300
aaaagcacgc ttggcttcca tggaaccaac ctgtgatcaa tgtgggtcaaa cacttcagcc 360
acactgggtg agtttgaaat catgcaactg ccc 393

<210> 29640
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dd12d1

<400> 29640

attagcaaaa taaaatcata actcaatggg atggcgcat gattggtatc aattacagtt 60
ataaacattg aatccaaact caattaataa aaaaaaaaaac tcaaaagtat tttagacatc 120
ccatgaaaca aattcctact ataattttag ccatcaagat gtcctaagcc ataaaacatt 180
aacataaagc caatttgtct catgagagaa ccaaaaaaac aaactagata atattcacc 240
ctgcatccag aatcaccaat ccacaagaag actcccaaaa agcatcaagc cttgttggt 300
atgttggtgg aaagccagtc caaacctca taaagaccct cccagaggtg tgcgcaggtg 360
ctctggatgt accagtggcg ctgtctgaga gagtggagac ccagcttgtc ggtaatttca 420
gcagcattca ttgcattggg aagatcttgt ttgttagcaa atacgagcaa tactgca 477

<210> 29641
<211> 512
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020de01d1

<400> 29641

cacatccaca catttataga acagaaggaa cacgtatcca caaagtactt catgaataat 60
 tcttcatttt tagatagtta catggactaa gtttgagctt aaaacatcga ttgcaaagt 120
 ttattgcgcc aaagcacttg tggtgtagac aagaagtgca ccaccagcaa gaagaccaag 180
 tagagtcaca gcccatatag ccaagccagt cgtaccgcca gcgtagacat caccggttgg 240
 agaccagtcc ttggtgtcgt agataggact gtaaccatcg acattagcac cgtatttgtc 300
 tacaaactgg taaacgccct ttccctttcc tttcctgcca gatgcatcaa ctccttccct 360
 caaagccatg ccaccattaa ttccataagg cttgtcagtc ttgatctttt tgccaccact 420
 ggccacaact ctgaatgaag aggagttcct tgagagggag ggaaggcctt taactgagga 480
 cttttcaaca gtgaaagggg caggtttgag gg 512

<210> 29642

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de02d1

<400> 29642

gtcaaagtgt gaacccaaat gaacatatat gattctttat ctatatccaa acgtatcact 60
 atcaatttct ccagttttaa catcaatgcc gttatgccgc taagactgac ttataagacc 120
 gtaataacaa aaatatcaag caaatatcat ggatctcgaa agtatgtaag aagttacact 180
 gtaaattgta cgtaaagtaa aagtactgaa tcactgcctt cctctaaaat tttctcttcc 240
 ggatgggagc cgatgatggt gttgtacagt taatttgcag catcaattta ttctttgacc 300
 ttttcaaagt ataaacactg aaatatgatt tgcattaaga ggcctcgaat gaatcctcgc 360
 tagcatcctc tgaatctgaa ctatcaacca tcttctcaag tgcacttagg ctgccagctt 420
 cagagattgt gtggattctg agtttgtcag catcttcacg tgtaacaccg aagatttcct 480
 tgacaactaa ggagctatct cttgaacaaa actctggcag ctc 523

<210> 29643

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de04d1

<400> 29643

agataacaaa gatatagaat tttgatatga tatcttgatc atatgaaact agtctaaaca 60
 taatatgtgc cattaacaaa agatatatag ataacaaagt aacctaattgt ccaatatata 120
 gaaatactaa ccaagaatta cacacctaaa ttaagcttta accgcaggcc aaaacttcat 180
 aagtcaaccc caatgcattt actaagaaat aactaggggg tgggggtaac taaaactgca 240
 ctctagtgtg acacgcatat gttttactat tatttatatt caacaagcca ttttaattta 300
 atagaagaaa ataacaacct tggtttataa agtatatgat attcgcaaatt tctagcaagc 360
 aaaattgagt gacgattttt actagatatg ccatagtatt ttacctttag ctcgagtcag 420
 gagaaccatc tttttaagaa tcagggccct ttttt 455

<210> 29644

<211> 338

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de08d1

<400> 29644

ggcaaactct acttttactt gatatttttg gtctaataa tatctacact ctccattcta 60
 tcacgtgaat gaagggatgc gtttctccac tttcttgagt gacagcaaatt actgtctaca 120
 agaataccaa aattttacata caagaaagag ggactcacgc gtcccccccc ccaccacccc 180
 acacagacac tggactttttt ggtttttgac ggaaaattta acacaattcta ttctttaact 240
 tgtaaattctc gaaaaggaat aaaatcagac tgtaacacaa tcaaggcatt cccttggttg 300
 cgtaggagtt gacgagcgcc aaggcattgc tggggaac 338

<210> 29645

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de11d1

<400> 29645

gagaagatta aaatgaatat cgtcattaat gataaaaaaa agcatcatta ggggtatgat 60
 acatagatag ggtaagtaag caaaaaaaga gtagctggca gagcttgtaa tgtatgaagg 120
 aattcaatcc aaagcattgg gccagcaca agccttcaaa acggggctcc aaatccactg 180
 cactagaaac ttccgtccat tctaccggt tagattaaag gttctccctt caccatcttt 240
 cataacggaa ccaatataac acggcgccac caccggttcc gtacaacccc tcgcacaaat 300
 ctccgatttc tgttggcgcg gaggggtcct cgccggcgta ccacgcgttc accaatgggt 360
 tctacgagag cttctccagc tcgtgcccga tcacgctcac catgccgttc actccgacgt 420
 tcacattcgg cggtttgagg t 441

<210> 29646
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020de12d1
 <400> 29646

atgtgtgaga atcaaaaaca tattaaaaga cttataataa tttatatata tttttaatca 60
 actgagtcgc acttttttgt tactaattca cttaatcacc actttgaatc tcacatttct 120
 tttaacttac gaataagaat aataataata ataataacat aggcccatct acctgggcct 180
 accggcattg gatccaggcc cgggataaac aggcccaccc tttatagcac caccagccac 240
 ttgatggaag ccggcagaac cgtacacgtg tccctgatgc atcatgattc caccaggagc 300
 agcagcataa ctaggactct cgtaggcact gttggtagca ttggaggagg agggcgcggt 360
 cttgtcacgc gcc 373

<210> 29647
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df03d1
 <400> 29647

aaccacaaaa aaattatttt ccttgtttca ctctgtatgg gcccatagca tttccacggg 60
 tacaatttct ccacccaag tatctacaat gtgaataatg attcttcttc tacacaaata 120

cctccggcta atgggtcatc agagaccacc aacaacaggt ataggacaaa atttggggta 180
 tctgaccta actctctgta ggggggtttt gttttaccac caaatcatca gctgagtagt 240
 attcagcttt gagccggttc atataggaag gattatgcc tctgtgtca gttataaaga 300
 gactaatcaa gtttctggcg gtcacgtatc caaaatgttg gtttaacaac atgaagagaa 360
 ccggtccttc ttgtagaatc catgcaatct ggagaattcc tcaaagtcca gtagctcaga 420
 tgggga 426

<210> 29648
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df10d1
 <400> 29648

acacaaaccc cgtatagtgc attaagcgat atatttgta atatatacat tttttgtagt 60
 atgtacggtt acttaaggat cagagcctg aaaagtaatg aaaaaacata atataaagca 120
 tgaaatatat tccacgctta tgctgttaa gtattgcact aagcaatgca aactagaga 180
 tgatccaact cagcggctct cctttcgtac agcatttga tcagacatca tgtccatcat 240
 cattttctca ggtgaatcct cccaactcgc aaatgtcttc aagtcaactt ttcttctttg 300
 ctcagtgaag agcttttctc tcttcttgta agagttctgc acttcctttg ctactttccc 360
 accaagtccc caaactttaa cttcagaaat cagaccctcg acaggaagga aaccctgatc 420
 tggaagaga gatccactcc ggtaagtttt gtcaatagca tgatggcgaa cagtaacttt 480
 tgcaaaatct tcatcaataa atattctctc atttctggag t 521

<210> 29649
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df12d1
 <400> 29649

acaaagcaat gcttcttctt ctatacccaa ataataactc tggggcacia atatataa 60
 catcaaatca aaagaaatct ttcaaataca tctacgtacc tggctacatc caataccata 120

tacaatatat ataccccatc cccaacttta tgaatcctat aattaatatt aagctaactt 180
 aaatctctgc aagtatagtt ctatatgcta ctattcaatg ttacagga gctagcatcc 240
 cctcccatgc caggaattcc agtataccag aatcacggtta caatatttca taattagtga 300
 ctgcatgcat gtgtatatat atgtaaataa aaataacata aaccctctcc ttttcttttc 360
 ttggggctgc tagcg 375

<210> 29650
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg01d1

<400> 29650

gaacaaacca attttttgtg tctacacata gttaattggt tggttcacgc caacatatcc 60
 tggatattac tatgcataca tatttaataa tcaggagcta caactcagct taagacaagc 120
 gaaccacaca cgatgtactg acatgaccta tgacagactg tacattatga tccttgaat 180
 agttcaggtt tctttactga tcgggctggt taaaaacaac caaagagggt cgttggggct 240
 gttccactag ccctgaactt tggagtagca aactttgcct taaagaatgg ttcccttttt 300
 agggcccaag taagggttct ttttttttat gcttttaggt ggattgagac ttttaggctt 360
 ttaaatcact ttccgtattc tggagctctt t 391

<210> 29651
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg02d1

<400> 29651

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agccgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgag 120
 acacatgcac cacctaataa tcataattgt acatctttac atacaaaata caaagacttt 180
 aaattttaaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttggtggt gttgttccca acttgattaa gcatgaaccg 300

tttgattgaa tcacttggac ttgaagggaa tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420
 ggtccttggt gaagatgata gcagcaccaa gactacgagc aggggttgata ccagttccgg 480
 tgatgggga 489

<210> 29652
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg03d1

<400> 29652

aaagtaaact agcactacat attcataaat gatcagttct cactaatcac atcacatctg 60
 aaatacaaag tagaggggaa accagtaaaa gagagtttct cccatacaag taaaagtaaa 120
 aacttgaaag cctcagccac ataataatag agtagctgat gatgcatata gttcctatac 180
 cataccatac aactcttaca ttaccactgt ttttgaatac tatactcttt acaggtaaata 240
 gaaaagatat gcgtatgact aactataggt tcatattgtg attgtgttgt ttggctggag 300
 aaagcaacta gccatccaca acgttctcac tgttcataac ttgttgtcca tgcaacaaaa 360
 gatgcactaa aatgctaaac tatectctcg ttaccttaa ggagcatg 408

<210> 29653
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg04d1

<400> 29653

gatgctataa taaaaacata aataagatga cttcaaaatc aattttaacc aaaatcaata 60
 ttgtcaaccc tcatccaaac atgcactaac ccaaccaact aactagctat acacactatt 120
 atgcataacc ttgttttaaaa cctaccacc aaaaaaggag aaaaaccctc gtttggggtg 180
 ttcttcacc accacggcct gcatgctatc ctgctccacg agcctccaag cggcttggtc 240
 gaacgccaag ccagccagag tgggaggctt gttgagcaca agagggtagc ctctattggt 300
 gcttctaata acctcagtgt cctcaggaat agccccaagc aagggaacc ctaacatttc 360

ttgcacgttc aacaccgaca gcatgtcttc tgcttttatac atatcggttc gaacccggtt 420
gacgatcatt ttgatgtccc ggattccgtc gcattcgagg aggccggtga cgcggtccgc 480
gtctcggagg ctggtgatgt 500

<210> 29654
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dg05d1

<400> 29654

acaaaacaaa cgccatgaaa taatagcatt aacaataaca aacaaaaccc acaacgaagc 60
caataagaaa gaaaaatatc aaaacaaaat ccgtaaaaaa tactactcac cccacatctc 120
atatgtacct agcattaact atacaaacac atcctttcct ttcctttccc ttaccatcac 180
catatggcat ataccaagtg ttttgatttg catttctcat gacatcacta gaaatcatta 240
aatagtaata attttgatca atcttcacat tgcactaat caaaatttgt tattgtatat 300
taaaaatttt gattaatgta acagtgaaaa ttgagtcgac catgatgacg tggtaatcta 360
gattatataa taatttcttc cggagaggct ttaatgaggc tctcatgcag ccatggcttc 420
ctcgtcatcg atctcgttct cgccttcttc gctggcggcg gcgtcttgat actgttgata 480
ctctgccacc aagtcattca tgttgctctc agcctcggga aactcca 527

<210> 29655
<211> 333
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dg07d1

<400> 29655

ggaaaaacat accataaata tagcacaaat ggagtatctg tttcccctat cgggaagtat 60
tgggcaattc aacaggaaac aaagaggaaa cattagaatc cctatctcta gctaatacac 120
agataagaga tcggccctca tgtttcattc ccaaacgcac gcacgaatc ctatggaaga 180
ttccatcatc catcggactc actctgcatt ctaccttca ccaagcttgg cagtgccatt 240
cactttttgg gcactttctc catcttttgg gatgtcagaa gttcaciaag ttaggttggc 300

cctgagaaga tgcattgataa tgtgcttttt ttg

333

<210> 29656
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dg08d1

<400> 29656

ggggggggga aaccccatat taaaatttta ttataattt ccattgggtca ctgatcagct 60
ttataacatt ttcaacggaa cactttttta ttccattgca gccctttttt ttttgaatag 120
attattaagc atgcctgata cataaagatt caacagcctt tgttggaac ttttttccaa 180
ttcagtttct tgagaaatta aaatactcat gcaactatca ctttaaacc ttttgcagca 240
tgatttttaa acttttacc cactactgt aagggttata aagataaaat tttaaacctt 300
gtaagcttta cgagatctaa acaatgcttt tttttattag gcattgggtcc aaccttctga 360

<210> 29657
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dh01d1

<400> 29657

gaaaattaag gacaccgttt ttacacaatg tcaactaatt ttcttaaata acggaaattt 60
agttataatc gagacaacaa tcaagcacgg tggaagaact aaagtcctta tgaaaagaga 120
ataaaagaaa ataatagact taaaaaagca cactgcatat tcatcaaagc atcatcaaag 180
cacactgcat cctaacagca cacgtacgta gaaagggtga gttccagggtc ttgcacaaca 240
tacacaacac accataattt attttatata caatcttatg gtgccaaga tgcagaagca 300
tggaactaatt aaacaacaac gttagtctga taggcagtgt ccatagataa attgggtacc 360
cataaaatgg gccttgcttc caaggaaatg gcaaaccagg gttagtttcc ggaattcaac 420
ctcccatgag ttcattgaag 439

<210> 29658
<211> 65
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dh05d1

<400> 29658

tttatttttt ttttttcaag ggtagaaaat tacttaacat tattagtaaa tgagtgaaaa 60
atggt 65

<210> 29659

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023a01d1

<400> 29659

agctcactta tttcgtcaac cttatgcacg agggtcacaa aatgccatgg ggtcatacat 60
tcataaccta aatacattgc ccaactagag agacggccaa ctgaatggaa aatttgctcg 120
tgtccaaact ggcccaaaga ccagggacca tggcgctca ataacttaga accgtacccc 180
tggtgaaaga gctttattcc ctt 203

<210> 29660

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023a02d1

<400> 29660

gcaactgaaa tctgaaaatt cataactctt tggctttttg ataaaacaaa aaatacatca 60
gaatatttac cccttttgcc gatcaaaact tttggttttg gttcaaatca agctggcttg 120
aataatagtt tagccgtata ttattatgga tgtccgtagt agcatcatca atctttgggt 180
aattaattta tttccgcccc cagagaggga cccttaagcg caagaatccc agttgaaaat 240
atttggtccc ttggatatgg ggaacttgac atttccacag accttgaagc ttttgaacta 300
caccgttctt ttctttgggc catcggtttt tgacttgaac gacacttagg gctacaaaac 360
gctttctt 368

<210> 29661

<211> 342
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023a04d1

<400> 29661

ggcattgaaa gcaacttaat ggatcttaaa ctcgagatgc ataattctga atgcattatt 60
 ctttgcaaga gtgtcccaac agacattatt caaaacactc atttcattca agtaaataaa 120
 ttatgtacgg gcaaaacgaa caaaaatacg cctctggatg gggctcctgc aagaaggaca 180
 gtcttgcatc ccttggttct catggagctc attgcatgtt gtgcaaaacta cctgatgagc 240
 acatgggagg aatacaacag acatcttcgc agaaaggcac atgacacatt ctctttcccg 300
 ttttacaccc cctatcaaag agcagtcatt taaatttgaa ac 342

<210> 29662
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023a06d1

<400> 29662

agtgaatctc ttgatataat gtttaagata ttccccaaat gaatatgttg aaatacacaa 60
 ttttctcgtc aagagaagga agttctaaaa tgaaaaaaaa aataaaaaca catatacaca 120
 atcactcgcg gaacttgagt gccaaagttc aaagcacaga ataagataaa ccataattt 180
 aaatagccct ctagctagtt gccaaaggtc agtagtaagt catcaccaaa acagcccctt 240
 tattgcgact cttcttaact tcaaggttgt gtgatcggat agaacaatgg ggtatctagg 300
 tcattcaact ctatgaagtc caagttatca gagttcccaa tatcacctgt attctggcca 360
 gcggagaaac cagccagagc agcccagtag tctttcaagc cctcaaaaaa ttcacagag 420
 ttaccaacat cacctgtagt agcccgcatt ccgt 454

<210> 29663
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023b01a1

<400> 29663

tccggtcgcg ggaagtttgg tgcttgaact tgaacgccga acattgcgat tcagagagag 60
 agagagaaga gaatggccat ggcccgaaga gtccctcgta atgttttggg attggtcaaa 120
 aggaacatgt ccttcaaatac tttggatccc ccttctgccc tcacccacgg aatccacgtc 180
 tttcattgcc ccgatgccgt tggaattgta gccaaagctat ccgactgtat tgcctctaga 240
 ggtggaaaca ttctcgccgc tgatgttttt gttcctgaaa ataaacatgt cttctactcc 300
 agaagtgatt ctgttttcga tcctgttaaa tggccacggg tgcaaataga ggaggacttc 360
 ctaaagcttt cacaacatt caaagcaata agatctgttg taagggtgcc agctctggat 420
 cctaaatata agatagcggg tcttgcatac aagcaggacc actgcctgga tgatttatta 480
 catggatggc aagatggaag acttccagta gatatac 518

<210> 29664

<211> 355

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023b03d1

<400> 29664

gacagaaacg ttgaagcttt aattaactat ggaaattaaa agtagttgca atgtaacatg 60
 aatacactaa aataacacct gaaatgaaag gcaaacacaa cttcaattct aaccaaataa 120
 actcaacaaa agcattacat aaattagtca aacagactga aacccatgtc atcatcagat 180
 tcttcagctg gttcttctct cttttctctt tccttggtg cagcaggagc accagactca 240
 gcagcaggag cagcaacagc agcgacagca aatttacttg gatccttcag atactccttg 300
 acctatgctg cctcagggaa agaataatct gtctcaaccc gaacagcaag aacat 355

<210> 29665

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023b04d1

<400> 29665

gacagaaacg ttgaagcttt aattaactat ggaaattaaa agtagttgca atgtaacatg 60

aatacactaa aataacacct gaaatgaaag gcaaacacaa cttcaattct aaccaaataa 120
 actcaacaaa agcattacat aaattagtca aacagactga aacccatgtc atcatcagat 180
 tcttcagctg gttcttcctt cttttcctct tccttggctg cagcaggagc accagactca 240
 gcagcaggag cagcaacagc agcgacagca aatttacttg gatccttcag atactccttg 300
 accttgtctg cctcagggaa agaataatct gtctcaaccg caacagcaag aacattcctg 360
 taggcattga caaacatgtg tgggtgcagca gcaagtgttg ggtatg 406

<210> 29666
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023b05d1

<400> 29666

atataaaatt gagcaatttc cataacagac tgtactgaaa acagtataat ccagcataca 60
 cataaagccc aaaaaataa atccaacata taaaccagat tgtctagcaa actgatctac 120
 tcactagtaa tactgagtaa tctagctaac gagaatatcc cttccaattt tccctcctat 180
 tgttcctgaa tgcacagcac cctatggagt atacaataat gagaagaaca aggaatacga 240
 tgттаacaac agccaccctc ttccattcag tcttgaagtt ttgcagaaag ccagccttgc 300
 atgattggca attgaagcac agaactgttt gattgttatt ccaagcatca cagtcaggat 360
 tgttgtaact ggtcacattt ccaggcttcg tccagctcgt tgaattctca taggtaaata 420
 ggcatcttc tgcaggttta cagcatccag actgaagcgc ggacag 466

<210> 29667
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c01a1

<400> 29667

ttgagctcga gccgaatcgg ctcgagagct atgtgaaaac tatgggaatt tggaagcagt 60
 gaaaaattct aatgattcag gtgggtgccat tttggatgat gagggcgggt cttttgattc 120
 taagcagtag tgtagtgatg agtgcaatta tgtttttttt tttttttttt gatgtagatc 180

tcttttgtcc agcaaatgta gatatgtgct gtggcacttt tgaatgggtt ttaagttaaa 240
 atttcacccat tcaaagcctt gatgattcctt tcttgattag atatttggaa tgtggctgaa 300
 tcagattttg gct 313

<210> 29668
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c02a1

<400> 29668

ggctcgagga agaactgatc agcttggatg aatatgttga gaacatgaaa cctgatcaaa 60
 aggatattta ttacatggct gctgacagtg tgactagtgc aaagaacaca ccgttcttgg 120
 agaaaattgc agagaaggat cttgaagttc tgtttttggg ggatccaata gatgaagttg 180
 ctattcaaaa tcttaaatca tacaaggaaa agaattttgt tgacattagc aaggaagact 240
 tggatctagg tgat 254

<210> 29669
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c03d1

<400> 29669

caatctggtc ttacataaaa attataatgg gaaaacccaa ttatttcttg caaatatag 60
 caaatatact tttcgacaca ttttgggggt ctacaatttt ttccatggga tcatagcaaa 120
 ttaaataaat gggtaagggc tcaatcttaa ttgatacaag ccctgtaata cagggggcaa 180
 ttttcaggac aatagcctga cttgact 207

<210> 29670
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c05d1

<400> 29670

gatgcaaaac tgagatgtct atctataaag aaaaaggga ctcaacaaca tcatttatgt 60
 cttaccacaca ccatactccc ccaaaatatac aaacgcagta aaagtaaagc acaaggggga 120
 acaggcttca aggttacagg accgtttgaa gaacaacaac ataaatttac actttcaagg 180
 cataaaatta aatgaacctt ccaatccagg aaatccaatt accatagttc ttttcctgat 240
 taagttcaaa taagagaacc caaaattgaa aataggacag ggatatgaca aaagggttct 300
 agcaaggcct cacttggcac ccaagtttgg gaaatgccca ggatcttcaa tggatggagc 360
 aggtgcattg ttggtggaac ttcca 385

<210> 29671
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023c06d1
 <400> 29671

gaatcttga aattctaata aaaactgaaa aactaaatgg gcttgcttca tgttcctcca 60
 tttatgaatt catataaggc ccataaaagg atgccaatga ttgtgtccct tactaaactc 120
 ttgattagat catcaatcca accatttgaa cctcctccat catatgaatt tttccctaca 180
 aggtctcgaa acctcaaatt tcccgtgtcg gataacaatg catatattac accgttcata 240
 tggccttttc caatgacacc cacaacattt ttactgttat tcacagcttt gctccgcttc 300
 aatgaccatg caagataagt atctcgttca tgtatgagaa gtggcaataa agaaggatat 360
 gaaaaactca attgctcata aagttgaaat gtaccatcat ctgaacttgc ttcttgcaac 420
 ttgagcttat ttatagaact gttagatgaa gatgctatcc cccgaataaa ttgatacact 480
 aaacttagtt tct 493

<210> 29672
 <211> 557
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d01a1
 <400> 29672

tcggctcgag agatgatttg ctgctgtaac aaaatggatg ctactacacc caagtattcc 60

aagggcagggt atgatgaaat tgtgaaggaa gtctcttctt acttgaagaa agtaggatac 120
 aaccctgaca agattccttt tgcttctatc tctggttttg agggagacaa catgattgag 180
 aggtccacaa accttgactg gtacaagggt ccaactctgc ttgatgcact tgaccagatt 240
 agtgagccca agaggccctc tgacaagccc ctcaggcttc cccttcagga tgtgtacaag 300
 attggaggta ttggaactgt gccagtggga cgtgttgaga ccggtgtctt gaagcctgga 360
 atgggtggtga cttttgcacc aactggactg acaactgaag tcaagtctgt ggagatgcac 420
 catgaatctc ttacagaggc acatcctggt gacaatgtgg gattcaatgt taagaatgct 480
 gctgttaatg atctgaagcg tggttactgt gcctcaaact cataggatga ccctgcaagg 540
 aggctgctaa cttacag 557

<210> 29673
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d05d1
 <400> 29673

gctaaaatga gatagaatat aacataaaaa ttctgtttta tgtttcgtac attaaaaaat 60
 gaacagaact ggatgtgata ttaaaaagtg atagcttttg attccacttt cattaaaagt 120
 gaaacaaaa tgaactccat tctgttttgt ctggcgagcc acacgctacc gtagtgttcc 180
 tttctctaca ttaatttatt aacataatat catacagga aattttttaca agaaactata 240
 tactgctcta ctttttcaac acaaacacaa acctatgtca ttctcttatt ctttatgaac 300
 tattgattcc ttagtgactc actttcggag attagatcaa ttgtggtagg tgagcccggt 360
 gcagaagtag ctgtagaaat tgaatt 386

<210> 29674
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d06d1
 <400> 29674

aagcaaatca atttggagca cttctccca gccattcttt tctgaaattc aggtttcagt 60

agaccatggc aaactctttg aaggggtaga atgcaacaga atgttctaaa atctaccaac 120
acctacctga caaattgaga acctagcacc cagtgtgttt agtaaaataa aagcaggaac 180
ttaacaggat gtctcagttc tacgttggca tggttatata caccaaaaaa gtaaaatggt 240
taccactctt atctacagat atccattttg gccaaagcat aacacaatta aaaagccatg 300
atgccagtta agcactctga aagaaatgat atttcagtga cttccattgc tgcctttctt 360
ctcggatgaa actccacaac caaaggtagg gtctgggaag tgcagcttgt agaatgaaat 420
acgaacatg 429

<210> 29675
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400023e01d1

<400> 29675

gggagccaaa tgacatgcct ttggtttatt aagattaaaa acagtttttg caagaaaaca 60
atagctgggt ttttcttacc aaagatcctt aaagaaacaa acaatttcaa ctcaaatgct 120
gcactggaat gcacgacctt ttaacaaaca accaaaaacc aaaatcaatc aattgggggc 180
accaacttca gccccacttt tgggagcgag tttcgtccac tcgggatgaa aagccccagg 240
gggatcaacc ctttcgtaag tatgcgcccc aaacaagtcc ctttgagcct ggacaagggt 300
tgccggaagt cttgccctcc gattgggttc aaagtaagca agactggcac acattccggg 360
agtgctaadc ccagccgaaa ccggcaaccc cacaacactt cttcacgcag cgtgtgtttg 420
caccatttcc cttggaaact ccgggtccac aataaac 457

<210> 29676
<211> 499
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400023e02a1

<400> 29676

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ccgtatctac ccatcagaga tgcgtcattc tgttcattgg caatggcggtg gttacagtgc 120

cggggggtgt caggattatg atacatggaa tcaaaatcca cagttcagac tgactgcaac 180
 tgggcaagat gcatcatttc ctattcatgt attcattacc ttgactcagg gtgtgggatt 240
 ttcaagaaca acagctgggt ttagaaatta tcaatccagc catgattcac agatgttcta 300
 cattggaatg aggataactca aaactcgtgg cagacgtgct gctttcaata tctacctaca 360
 tgaatcagtt ggtgggacag actatgttaa ttctcgagaa atatcctgtg aaatgggttt 420
 ggaacctgag ccaagggata tactatagtt cctactacta tacacccccg tgaagaagca 480
 ccatttgtag tttctgggt 499

<210> 29677
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023e02d1
 <400> 29677

cccaaatgcc aataaatgat aggaactgat aattgttaat gtttgtaaa tattttgcaa 60
 ttgtcaaaac ggcaactgaa ttacaatca gtcactcaat gcttggtact atacctcccc 120
 acaccgtcct tacctccatt tgaaccaggt gttagtaaatt ttccactta ttttcagtta 180
 tttcttttcc aactttgctt aaatgggttac aagtataccc ctatagtacc actttttttt 240
 tatgtacaca ataaacaacc cgagagccct cttcaatgct ggcagaagta tagttcaaaa 300
 tgacgaatca tcagattcaa agaccaagag tgtgcgcgca gctatacctc atccatctct 360
 cgaacagatg ccatcatt 378

<210> 29678
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023e03d1
 <400> 29678

gtaaaaagca agtaacatta agttggattc ggatacacia gataattcac attatctgaa 60
 gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcggttctt tgacgctcac 120
 tttccggggga cgaagttggt ggcataggcc caggcggtgt tggtgacagg gtcagcaagg 180

tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
 aacatagaga acatggccaa tcgtccgttc ttggggctct tcaccttaag ctacagcaaaa 300
 gcctttgggt catcagcagg cccaatgggt 330

<210> 29679
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023e04d1

<400> 29679

gccaaaatgc tactggtacc ctccatgacc gtgagaataa aatgatgcc aataattcta 60
 catttgggtcc acaactagca aactgtttca gacaagttga accgggggtac aagcaaatac 120
 acaccaactg gtccactaca agcctaagtg aggaagaaaa acattaacaa aaaaggatta 180
 acatgagaag caatgaaatt acaagagacc tgccaattaa tttatatagt tacaactgga 240
 tggcttttga aggatgaatt cagcaaggct taatttcaaa acctttgctc aaaagcggtt 300
 gagctgactc cattgggttc ttaccccaaa gttca 336

<210> 29680
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023e05d1

<400> 29680

gattaattag gggctttttt ttgcaaattc cctatatatt ttggtttata tgggaatgat 60
 tgggactgaa aaaaaatttt catgggacaa cagaaaagaa agcataatcg ggcggaaatt 120
 ttagacagac aaactgaacc attaaattca tgccaaaaag ggaaaattga agccaccact 180
 accgattttt ggagaatcca cgtcaaagag ggactctata ggatggatcc accattttca 240
 agatgaacaa attacctcta tttctcttg atattctgtc aggctcaggc ttaagaaaga 300
 aattcagac 309

<210> 29681
 <211> 469
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f01d1

<400> 29681

gaaaaaagag agtaaatagaa agggcaacaa ggctttatta gtgattctat atggcataca 60
 atatcttgcg gtcattgttt agtagctcag aatctgacat aactgatact gaaaaagacc 120
 ttgacctgct tccattgaa gatttccgaa tgctccttaa gtttgaggcc tcaatgcat 180
 gcctaatagac ccagtaactc atggtgccca aagttgtggc cattatagtt gtcctatga 240
 tagtgactcc aattgcaagc cacttctgat cttccccac cactacaaat gacagtgcc 300
 agaaggccac agaaataagc acacaagcca accacattag cttgttaatg atggccatca 360
 tctgcttctt tgctttgctt tctatgatca caaccgaggt ttgcaccacc accacggcca 420
 gagaaatgaa gagggcgatg gaatcaaaga cgaagaatat gagaaatgc 469

<210> 29682

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f04d1

<400> 29682

ggcaaaaata tatattctta ttctcaatag atgaaaaatc atctagtagc accaaaacac 60
 agaacatgtt ttcccaaaca atgacaatgg ctatactaca atatatgggt ttgttgatc 120
 atcaaatagaa tacattccaa tcagacccaa ctttctctt ttaagactat gtacacagat 180
 aactcttcta attaaggcaa accactcaat agcagtaaga aaataaaagc atgcacacaa 240
 gtgcaattaa ctcttatcat tgggacatca acatggcctt tccacagagt cttattagca 300
 ttccaccca cattgtttga gcaactggacc aatttgcttg ggcaagaagg gatcaatcct 360
 gacccaaatc aatgagaaaa ttgatgctag aaggattgac cacaacacta caat 414

<210> 29683

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f05d1

<400> 29683

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 attttgagtt aataattgta gtacataaga aactatttct ttaacagtta gaagatagtg 120
 atgcttcctt gtcactgatg atctcatgca atgacaaggg ccagattggg gcgagagaaa 180
 aaatagaaac taaaatcaag ttgaaaaatg gcagaaagaa aagagtgaca tatgcaataa 240
 agatacaaag cctagaagaa aatttaaaga tttttaaaact acaaggtagc tcacagcct 300
 ctccaagccc atctactaat atcttgact cggaagaca cactttcagt tcaattcatt 360
 ggattaccat atgctgaaga accccctaata aacccttcac ccgaagctgc ataaacatca 420
 ttaggatcca tcattggaga ggacgatgaa accccttttc ttcccgcacc accactttca 480
 ccattccac caccctaatg caac 504

<210> 29684

<211> 306

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023g02d1

<400> 29684

ccaaaaccag actttattag attgaaaagc gtaactgtcc attgatagaa acagcaaatt 60
 ttttatctaa tgaacaaagt taccctccta atatttccca attccaggga tcaactccca 120
 tgccatttaa ttacattggc cctaattggt gccttttaca gtctctcca ctaatcatca 180
 tatggcatct taccagcaga aaggaaaatt tatgggtctg ctacaacaac tgcgggcct 240
 tccacctga aagtcgtcc ccaaatttcc tctcattag caggaactgc agtaatctta 300
 ttttta 306

<210> 29685

<211> 475

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023g03d1

<400> 29685

agattgactg ccaactaaat gaaatatttg ctctgtcca aactgtccca aatcccat 60

cccaagtagc aacaaaaact caaaaaaata tcaatgatgt aagagcttta ttactctact 120
 ttgaaacttg atgctttaat tgctttacat gattttcatg tgtgcctggg agtcttccac 180
 cagagaagta accatctgct gataatatga tgagaaaaga aactgcaagc caagaagaaa 240
 ccacaaaata gcatgcatca tagctaacat cagtgaggat tattgggtcta cgtctgtccc 300
 aaggtcaccc caccgcacat tgtgtctggc tgcaagatag tgagcaccaa caggaccctc 360
 actaccataa ggatagtact ctggaattat cttcttctct tcaagctcct tcagtacagg 420
 tgttaagagt gaccaagcag catccagttc atcgctacgt attaagagtc ttctt 475

<210> 29686
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023g05a1

<400> 29686

tgagttcgga attcggtcgc agtgccatct tgcaaagcaa gcctttgatg atgctgtctc 60
 ggagctggat accctgaatg aggattctta caaggacagt accttgatta tgcagctggt 120
 gagggataac cttactttat ggacttctga tatccccgaa gagggtgagg acctaaaaat 180
 ggaaagcgca gccagggttg atcaaggaga agatgagtta ggccgctaac ccatcattct 240
 gtcatatgtc taagatttga tgcattaatt tttctcaatc atattttctc cattgtcgtg 300
 aagcctctat ctgaatggcg cactgcacct catcaacttt gagtcattct tatttctgag 360
 tgatggccta tttgagtcac ctacttcatt tttatgctat tgatgagtag ttttattcat 420
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 gtatggt 487

<210> 29687
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023g05d1

<400> 29687

ccgggcccag atccgataag cttgatatgg acgccctttt tttttttttt tttttttttt 60


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tttttttttt tttttttttt tttttttttt tttttttgtt tttttttttt tttttttttt 120
tttttttttt ttaaaaatta acccaattgg ggggggttaa aaaaaggggc cttaacaaag 180
ggttaaaatt gggaaattta ccggggctca aaggggaaca gtttttgaag gggcccccca 240
aaaacagatt ttacccttaa cgggggtcca atggggaaat tttgccttgg aaaccaaggg 300
ggtttttggg gcaaaaaccc cgggaaaaaa ccccccaaca atggcctaaa aaggggggag 360
gggccccaaa ggggcccttc ctcaaaaata aaaaggcccc aaagtggggg gggggccggg 420
ccccttttaa aaggggggtt cccccccg 449

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<210>      29688
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400023h01d1

<400>      29688

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acatcactag tactattaaa acataacaca aacagaaaaa gcatcttatt gaaaaggaaa 120
gtagcataca tcttctcgtc atcatcctca tcagaaatcc ttaagcaact tgcgaaactg 180
ttccagtgtc acgaacagca ccacagtga cggtccttgc ctcgagatcg taggaataaa 240
ccccttataa agcgccatgg gaccctccgc gcgcacagtc ttcagagcac aatctaacgc 300
gccggcgtag ggcggcgtag ccccggggtc caccctcatg ttcacacccc tcgtcttgat 360
cacgtcgacg gggttcgacg ccaccgtcgc cacgaacccc gccgcgaagc tcgccgtgac 420
atgggtcccg agcccgtcgc gcatcatgcc gttctccaag atcgtttctt tgaactggtc 480
gtacgacgag agctgcgacg ccgtcacgag ca 512

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<210>      29689
<211>      375
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400023h02d1

<400>      29689

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 gtatgcaggc atagaactaa caattttctaa gccaaagtaca agggactgct ctttccagca 180
 atcattcaaa aagcaaatga agcatataaa gttagctaca ttcattgccc atgtcacttg 240
 gaagtctctt catcttttgt cgccttagga tgtattccct tcaacttaag aaattggtac 300
 aaagaacaga aaccatatta aagaaaaatc acgatccaat tagatcaggt gtttcagcct 360
 caatggacag caatg 375

<210> 29690
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023h03d1

<400> 29690

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 taccaaacat taaaaaaaaa aaaaagaagc aaccatgagc ttaacacacc catcacaagt 120
 caaaaacact tgaacttgct gaaaggcaag acatgaccac tttattctaa ggatgtttgg 180
 ttaacacaaa acaccagagt gcacgaaaac catcacagac ataatacata agtttttagc 240
 tacacattaa tagtttatca ttattcctaa ttaagggcta tctctgcttg aagcttgctc 300
 tcccaacacc ttacttgcaa gtgcaggggt tgcaggagca gtttgggc 348

<210> 29691
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023h04d1

<400> 29691

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 acagaataaa cagagtcaaa gttcatgttg ttgaaggac cattgactat tcacttatgg 120
 agcaacctgg tcttggagct cccaagagtg agctcaagat catctgttcc aaaagaagct 180
 tcatggatcc tctctccttt ccaggcattc actaaacctg atgagctgct tccaaaggca 240
 aattcatctg aaactgcttc agccattgga atgtcagaag tgttttcgga gcctgcagct 300

acggctggag aacatgttcc acttgcccct ggtgtcgtcc acatccggga accgctgcca 360
 accatagcat cttccttgag gccaaatggg ttggaagaga ccaggct 407

<210> 29692
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400023h05d1

<400> 29692

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 tgtgagcaga ctagtacttg ttcaaagcaa tttcactgga aatgctattc ttaatttcgc 120
 ctcatgggaa aaacccta cgtcatttta aattttagaa gcatttcaaa cattctcaat 180
 ccaagacagg tatctccaac aacaatttcc tgtaaagcat tagtctttcc ttaggtccat 240
 gtattcacga tgaataccac tggcatttag gatgacgatt tcaaccttat ctccggtgta 300
 tatactcttc tcagttgcag atgcaaaaac agttttgacc agatcaactg cttctgcttc 360
 agacaatgga gtaacagcat cctgngcagg taacaggagt gggctaggag acttcagctg 420
 gttatc 426

<210> 29693
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024a04d1

<400> 29693

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 cagttgccta ctgaataaaa acacacatca ttactatgtg ttggcataca cgcgatgacct 180
 tgtgccttgt catgagtga tttccaaag caattggtcc tttatgcctc cttaatcctt 240
 atgccacaaa atgctatcat cccttgaaag ttgtaattgc ttcttcagaa atagatttat 300
 acaaaggtag ttgcaatctc tatttgccaa actaaaaatg taaagaccct tcttcccaat 360
 cctagtagtg tcccaattgt atttacaag gcgggacaaa atatgtatat acaagtacaa 420

tcatatagca taatgtaaca ataatcatac tttggtcttt actggtgcac attacaggaa 480
 ttattatgca ctgaaacccc tttgcagaga acttcaaaga ttggagggat agagacacaa 540
 gctgtgc 547

<210> 29694
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024a05d1

<400> 29694

aatacttgat atactttcat ttctttatta aaatagcaat gttgatgtgt gtgtacaagt 60
 acaacaatga atattttgct ccgaaaacag tcaattttga gacaaaaatc gattatatcc 120
 actgttttgg ggctccaaa ctagatatta aaacataagt cactgcaaqt acaatcaaaa 180
 ggaaaataga aagccaacaa tgggagctgt ggaggttcta taaaagaatc tcctcctgaa 240
 caccacatt tagggtctta tgtggcaaaa taatgctatt aaaaaccact acctcatcct 300
 caacagtcac agattcacca agtattgtga ccccgagctt tgcattgtaa tctccactag 360
 ccttaacaca ggcccatcga ccaatagatg atttccatcc aacaattgca tgaccaacaa 420
 gagcattttc cttgatttca acgtcatcaa ggatgatata atgtttgagc cttgcaccag 480
 ctctatacag agcatttgca gatatggata cacttggacc aatcttagca gatggatg 538

<210> 29695
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b02d1

<400> 29695

agcaacaaaa agctctcaga cttaaattat taaatcatgg cgtataccta ctctaaataa 60
 aacaacaaag tcgccacacc actgccggca acaatacaac aatgggttctg agattgcaaa 120
 atttgatttg gttcttgaag gaataacatt aacattagcc taccagacac gtatgtgata 180
 acatgttcaa ttactgggtg gcaaatttga ttcccttctc aattgatgat ttgagttcag 240
 gcttaaggct ttcgaggcct tgttgctcaa aatctgagag aggtcctaag ccagaaactt 300

cctccactcc attcttccca agcctcacct tggaagcaaa gtagggaagt tcagtaacag 360
 tggattgcac gaatgagcac tccacaacat ctgggactcc attgaggccc ttaaggcaag 420
 catcagcaaa tagggcacca gcataggcca ttgaca 456

<210> 29696
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b03d1

<400> 29696

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 gaagtcctat cttagctcca aacagaaatg ggagcagctg tgacttttga gttaagtgtg 120
 ctagaactag aacagaatcc cataagttat gcttactttt tccaactgaa atctgagctg 180
 aaagaacca ccttagggca accgggggtc acatggataa acctatatgt tgaaattgga 240
 ccggtcctcg gatcatatgc ctgaactttt ctccacatcg tgttctatcc agccaacatt 300
 gagctccaga gcatatcccc cttctgggta taagaagcgg tctgggagcc tggagagagc 360
 tatggactga aggtgtcacg agggcatatt 390

<210> 29697
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b04d1

<400> 29697

gtcccatga caccatctcc cacaccacc agatgcaacc acaccgcgtt gttgccggca 60
 atgcgtcgac caccgagagc caacttccgc cgactccgta acgacactga aaccgtcgtc 120
 tacgacgatc cctctctttt caaatcttga aaccacaaac acatttctca aatcaggaaa 180
 aaaagtcacc tttctctagc gcgcacatta ccggcaccaa ccaccacgaa ccacgtcggc 240
 acagaattcc gaatccacca ctccataacg gcgcgacact cagacccaaa ccaaatgcgc 300
 tcacaaaaaa atcgtgctgc cagcgtcagc accgagcaac cagcgccacc gtcttgcgcg 360
 acatcatgtc ccctaacctt tgtcttctat agcagaacac cataaccacc cattaacgtc 420

caagcaaaag tccgttacat acctaccaga aaccaccatc caccattaga aagcg 475

<210> 29698
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024b05d1

<400> 29698

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tacaccagat acaaattttt caagacgtat gatattgcaa atgacttaaa cttttacaca 120
agaacgaaca aaatgctata atgaattccc aactggcac acagtcaaa gttattgcat 180
accaataatt tcaagaacct ttattaactt acactttcaa agggattggc acaacaatat 240
tatatgctaa taaatataat aatcttaaga tgatgaagca ggtttggaag atgggttgaa 300
aggaacctgc tcagcgcgtg taaggatgtc atggggccca gcctgttctc gaccaacacc 360
aagaaggcca agataatata ggtaatggga aacaatatg ttcattgagt ccacatcacc 420
ttgtccacaa acaccattcc catagagaat gttcattgga gtgccaaatt caggaacccg 480
at 482

<210> 29699
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024b07d1

<400> 29699

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aggggaaact aatatggggg gaaaagggat agattcggaa actagcaata aaacccccca 120
aaaccgggtt tcagttcacc aagcaaacgg aaaaaccctg ggatcccaac ttttgaaacc 180
ccgagttaaa aacccaaatt ttttccaca aaggaaattt acaaaccccc agccttggca 240
ccaagaaaat ttttggttaa aaaaaattag ggccccatta acttcacgaa tgtaccaga 300
atcccaaaat tacgggttct ggaaggacct catatTTTTT gagaagcccc tgaccgggta 360
aaatagctcc ggcctTTTTT gaacacgttt ggtagaaata tccccaaatt tttttgaggc 420

cccaagtgga aacctctgaa atgcc

445

<210> 29700

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024c02d1

<400> 29700

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cagtgtccat ccatgtagag attcacataa aacttgaagt atggaagcat ccatatgaac 120
cgtctacaca atagacaggc atatgctaca tatgaaataa gggaccagga ttgatcaggc 180
catcatttgg taaaactgat ccagatcaag gaccccggtg tgatcaatgt ccaaggcatc 240
aatcatggtc acacactcat tataggatct gtgatcacca aggcgatgca acattgtttg 300
caacccttgc ggggtgatgc aaccactccg ttgaatg-gc cacacaaaca tctcaaaagc 360
cattcttaga gccttctcat ggacatgagc atcaccaaca aagcgcttga tgagcttggt 420
gaaatgctgg aag 433

<210> 29701

<211> 467

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024c04d1

<400> 29701

atagacaaaa gtgtaggat attaaaaaac catctcaaaa ccgtgcatca cttcaagttc 60
agagatttac aatacccatt agcaggccaa atatatatga catttttgga acaaccccat 120
tttcaagcat tgatacaata cagagtaaag aaatgggaaa agaacaaaga aacaattaag 180
gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240
aatggcggaa tgcttgagta tgcgcaagct aaattgcct ccttactcac tagtgtcaat 300
ctgtgactgg cctgggggag gcatgagctc aaagttttgg accaaacgtt ccaaagtgat 360
gccaagaatt ggcaatgcag gaatgattcc agggcaggtt cttctggcaa caccaatggg 420
aaggtaccta aagtcattga cattggcttt aacaagcgac tccttct 467

<210> 29702
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024d04d1

<400> 29702

atagacataa gtgtagggtt attagaaaac catctcaaaa ccgtgcatca cttcaagttc 60
 agagatttac aatacccatt agcaggccaa atatatatga catttttggga acaaccccat 120
 tttcaagcat tgatacaata cagagtaaag aaaagggaaa agaaccaaga aaaaattaag 180
 gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240
 aatgggtggaa tgcttgagta tgtgcaagct aaattgccct tctttctcac tagtgtcaat 300
 ctgtgactgg ccagggggag gcacgagctc aaagctttgg accaaacgtc ccaaagtgat 360
 gccagaatt ggcaatgcaa gaatgattcc agggcagctt attctgcaa caccaaaggg 420
 aaggtaccta aagtcattgc cattggcttc aacaagcgac tccttctcga agaacctatt 480
 aggccggaac tcctctgggt attttactg tgcattggtg taggccaggc accatgcatt 540
 ca 542

<210> 29703
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024d06d1

<400> 29703

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcacaaa cacaatcta aaaactctca aaagtccaca 120
 agtcacctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggccaggc 180
 attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccgtg 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgccacca gggtagattg ggtcagtgc ctcaccgagg gaccaccag caatacgata 420

09511.03200
00222E0.FTF560

acccttaaca gcacccatta ggataacttg ggt

453

<210> 29704
<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024d07d1

<400> 29704

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gacaatacta gaaagaggtg tcttccgtgt aactattata ccttgaaact ctagagattt 120
tttttataaaa gaagcgaaaa agtgcagaac tgtacttcat tctcctgtac atctctgaat 180
atatatatc acacggcaag gctcctgctc cagccgaaa cgaagcatca ttttgaactg 240
ttggatttac caaaaactta acatccaggt tcacatttct aatgcttcta tttcttttct 300
gtcataaacc aggttcatga gcccaaaaag catctggatc cggacaaaat agagaataat 360
cttccatttc tagattcgct atgtgccaat tgacaaaacg ggctgtgaca gacttgaata 420
gaaaaaggat gataggcaaa agccagcatt tatcatcttc cctcttaaca ttacgtgtgc 480
ttgcctcatc aggggtggtaa aagtgggata atgaataatg aaggagacaa catataatag 540
ccactccaat attagataaa gaagtagcat tccac 575

<210> 29705
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024e03d1

<400> 29705

gttacacata ctacccatat ttttcatgct tgctgggtta acacaaactg cttaggttat 60
tttcggaact acttaaaggc gctcatttca aaccgatgca ggctgatgta cctgggcact 120
caagtcttcg ccaatctcgg gattag 146

<210> 29706
<211> 346
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024e04d1

<400> 29706

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atgttagtgt attaaaattc catataaaaa ccgtgcgtta tttcaagatc agagatttac   60
actacccatt aacaggtcaa atctatatga cttttttggc acaaccacat ttacaagcat  120
tgacacaata cagagtactg aaaagggact ggaaggcata aaaataccat gggattgac   180
atatgatcat gaccatgtgg tggagtctaa aatgaccttg tgtatgtcac attggtggaa  240
tgctagagtt tgagcaagct tagtggcctt ttttccttac taatgacaaa caggtaatgg  300
ccacttcag gcaagagcgt aaactttgtg acctaccttg ccaata                   346
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<210> 29707

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024e05d1

<400> 29707

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catataagtc attggattaa aattccaagt gggaatcgtt tttttgtca ggaaagtaga   60
catagactaa cctattaaca catccaagct aaagggctcc tttgtcacag caaattttac  120
catcaatgac tcattacgga gtctctgggga catactgaaa ggcttaaaag tgccatggac  180
ttgctgatac gatcatcctc atggtgatgc attgtccata tggcctgtgt atgtcactat  240
gcttgatggg tcgattttat gcaagctttg aggctttgaa tcattgacat agttcagaga  300
cgtaatcgag tcaaccctg tcgagcgaaa actttgggag atactttgcg gatgactgat  360
ctgtaagacc agattctata ctgattac                                     388
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<210> 29708

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024e06d1

<400> 29708

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agctaacaca aaatattggc tcttaattaa aaaaaaaaaa agtttggtat gcttggaaag   60
ctctcagaga cagagtgata acacatccaa gctaaaggta tccttgatga gtacgaatat  120
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tagcatatat aacttatagc ttagccctgg tgaaaaactg acgggctaaa aagtaccaat 180
 gactctaaaa tacagtaaaa tcaatagctt aaaatgaaaa tatggcagat gtaaatcact 240
 tcactttatg gctttctctt aatatgtctt tgagccttta agtctatcac aattacagag 300
 atgttatctt ggcttcccct gtggatggca agcttagtta gatactctgc ggcggaactga 360
 gctgcaggat cagttccttc actgcgtgct gttggggccat tgtcaccaaa cttcttctgc 420
 caaagaagga ttcgcttatt tgcaacctca catgcttctt catttgtcat tacatcccat 480
 aaaccatcac ttgctagaat gagacactca tc 512

<210> 29709
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400024e07d1

<400> 29709

acaaaagaag aaagagaaaag cacattgttt cttattagat ttatattatt atacacttga 60
 taaaagccat aattaaagta gaacaaactg ttacatggga cgggactaac actgtaaaac 120
 cagattgaca atgaaagggg gaacttaact tcaaccaagc acacgagaat tttgttttgg 180
 agtgagggga ttaataagat caacaccaca tgtacaaata gcatgtgtgt gaaataatta 240
 aaacattgta aactctttgc acaactatct ttcgtagcta caagtaggac tcaattatgg 300
 atgtggggat ggtgtgaata gctctatgct agagggccat agtgagttca aatttgattt 360
 ctattcttgc atggtacata gctacaagga atgcctatga cctactataa taaactgatt 420
 ttgccacatc ccgtcttttt tttatccatc accagatata cactagcctt cgagtgaagg 480
 acacttagcc agagttacta tgagaagatg caccttggtt tgacaaanaa cgaacgacaa 540
 cgcacgtaat ggtgtcagaa ctacctcgct gatatg 576

<210> 29710
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024f04d1

<400> 29710

caccatgctt ttttcttctt cttatgacca caatggtggg tctgagcaca atgcaataag 60
 ggcttaccgt taaatgtagg aacatgccac actgtcctta tagccccaca tgttcctttt 120
 attttcttgg ggggccttga tataaatttt aataaaatga aaacaaaaaa aaatgaactg 180
 gttgagcgaa acttgcgctg ctagttaaat agtagtagtg agatgccacg cgtgagcgga 240
 aatcatgggc cttgtgtgcc cttccaactt gggacaacca tt 282

<210> 29711

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024f05d1

<400> 29711

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 gttaaagttt tttctagcca agcaaaattg tgcttatatc ccatgattct ataccaccaa 120
 gcgcaaaaca agaaatttgc ggtacatgat taaagttata gaatgtttat catgttactg 180
 ggtctggatg ccaacaaaga aacataaagt ttaagtactc aacatgagag tcagaatgct 240
 agagccattc atcaagagac ttctgatcat gaatccggga cttcatgacg ccttcataatc 300
 attcaaacca caacgagcca gaaacttgtg attctcttca aagataggag aaaagtcagt 360
 acaaaatttc tgtatatcag cactgatatc accagggcct tgtatcacct ccatgaattc 420
 tttcttatca ggagcaagct tcatcgctac actgaagcta gaacttgcaa gccagccatg 480
 ccacttcttt aga 493

<210> 29712

<211> 344

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024f07d1

<400> 29712

aggcaaaatt caccatttta aggttaaatt aaatgaaaaa aaaaggggca ggaaatgggg 60
 aatcaaaaac tatgggggttc cctcaaaatc aaaacctaaa ggggaaaagg gaaaaaatc 120

ctaaaaaagg gggctctctgg ttagcgggaa caaaaaccac caaaagaaaa accaccgttt 180
 gggggattta aaagggggat ttacccaaaa agggattaag gtgaaactcc cacaagattt 240
 attcattagg ggggaaaaaa cttgggggtg ggggactttg gaaaacaagg ctttcaaagt 300
 ccaatcccc tgatgttgat aaaaagggt gtcacttcat aaaa 344

<210> 29713
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024g01d1

<400> 29713

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 attaaactgt aatcatttca aaatgatgga ggctgaccag caaaggatta gcaacatctg 120
 cacatttggc cctaaa 136

<210> 29714
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024g02d1

<400> 29714

gtggctatcc atttactaca atcaatattg gctactcaag ggcaatcaca atttgagtgg 60
 aatacgatcg gaactattga aatgccaaac ttgccggcaa aacaggaaag acagcgtaaa 120
 ctatataatt aacgagaccc agggagactt gacacatgga acctggaatc ttaaaattca 180
 tgcgacgcag atgtacaaaa tacacagcca tgaatagacg acacgcatta gccacaatga 240
 tgcattggatc cccatgagcc ggtagtcac gaacgggatc catcgctttg cctgacctgg 300
 cttgtgagat tggagacgca taagaggtga ccaagtccga ctgtgtgctg gaaagccctt 360
 ggaatatggc ctgaatgctt tcccaagcat gatgtacgac tacacgagac agaatacaac 420
 tgttttccga acatctgtac ttgggttacc aaaagcttcg aaatgagcag gccgaaacga 480

<210> 29715
 <211> 149
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024g03d1

<400> 29715

catagtgtat cctcacttct atacactgct tggaaaacat aaactgagca agccgacagg 60
ggaagtccta aacggcgatt ttctagaaga ccagaaggct gagggctcta gcgagatcgg 120
aagagacact gataggacta aagatcatg 149

<210> 29716

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024g04d1

<400> 29716

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aattaatcac cgatcatcac atgattgaac atgcattggg gttttcatcg ctgaacatct 120
gcggaggagg agcgtgcggg tgcattgtagt acggtagagg tggctgcaga ggataaccct 180
ggttcacgta ccctggctcc acgtaatgat tattagcact agcaccatac cctggatgaa 240
cctccatagc gtaacttggt tgaccgggaa agtgtcctcc gtcgtaccag aacgaaggag 300
gtgccatccg gtgcataac tccattttgt taataacctc cgcagccgct gccgccgcac 360
cgtctttctc tttcttctcg ccgctgcctt ctttctctt cttctcacca ccgccttctt 420
tcttctc 427

<210> 29717

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024g07d1

<400> 29717

ggtcttgctt gatctgcttc tacctacact ccgaacgggg aaatgctgca tccaccctat 60
acatattgat gtatccacca ggtgccaaat gacagggtgca aaggccacaa gtccgaagaa 120
agtgagaagt agcgtgcatg atgatagtga tagttgactg gctgtggatg taagagccac 180

gaagataata tgaggctgtg gtgtattata aaagcagaac cggtgaactt gaacaatcta 240
 ctttctcata ccattcactt ggcaagttcg tcaactgagga gtcttgctgc ggcaaccatg 300
 tctgtgaggg ctggcttcac ttcactgcac ttgcgggttt tgagaccaca gtcaggggtg 360
 acccacaaga tgttcttctt gagcactgca agcatcccat tgattctgtc agcgatttta 420
 ttagttggcg gtattcttgg cgagtggat 449

<210> 29718
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024h02d1

<400> 29718

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 accatcagaa ctatccaaat tccaacattg ccaggaaaaa aggaaagacg aaaaaaacta 120
 tatatttaaa gagaccaag gctaaagaca atggaaccgg catctaagtt catgcacgca 180
 catatacaaa atacacagca atgaatagac aacacccaaa agccacaatt ttgcttcttc 240
 cctatgaacc tgctagtctt gaacggcatc aatcgctttg cctgtactgg cttgtgagat 300
 togatttgca taaatggcga ccaacttcaa ctgtgtgctg ttaagccctt gccaatttgg 360
 caagaatgct ttcccaagca tgatgtaa atccacgaga cagatgacaa aggtcttccg 420
 aacatctgta ctctgggttac caaaagcttc gaaaggagca ggcagaaaacg agggtaactg 480
 agtcatcagt tctcctgag aaagccgacc cacatgcttt ggtaagcaat ttatg 535

<210> 29719
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024h04d1

<400> 29719

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 aaagcagaac atatagacga aattggcaaa atgtaaaaaa acagagataa atgggaatga 120
 aatagagtgc atatggcagt agatacacga attgcagcaa atgtaaatca gtgatggat 180

agatcgggtgc cagtagttat catcacgcca ttggttaatta ccatcagagc attgcccgaag 240
attgatccat ctactattca acatactgct cctcaccttc atcctcgtat tcatcatcct 300
cctctgcggt tgcatectgg tactgctggt actctgctac caaatcattc atattactct 360
ttgcctcagt gaactccatc tcgtccatac cctctccagt gtaccaatgc aagaaggctt 420
tgcgccggta catagcagtg aactgcttac tgaccctgct aaacatctct tgaattgatg 480
tcgagttccc aataaatgtg gatgacatct taaactcctg ggtggaatat acacacactt 540
gactttacat tgatgggaat tcattaac 568

<210> 29720
<211> 452
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400024h06d1
<400> 29720

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attatacaat ttatacccggt tttcctgaga ttgaaaacaa cattttgatt tactatatag 120
gggtaactga taaacaagtt ttgaaggaaac aatccaaccg agcccattta attaattaag 180
caaagaaaag aaagaaaaag gaaatagaag tgacaaaagca agttgcaaag gattgtaggt 240
catttggaac agcaagaaaa ataggggtga ttttgcttaa atgtataagc accattgttg 300
accaggctga ccctgttgac agataactct gccttggtatg gttcggagtt gagcaccttt 360
ctgggtcacct tggggatatat ttttcgaatt accattttta atgccgtttt cacatttgtg 420
gagtccaacg caaacggttt catgaaaaac aa 452

<210> 29721
<211> 510
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025a10d1
<400> 29721

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gtctcattac ataaaacttt tattocatgc ataataaaac acgcaatgat tttgagggtt 120

tgaacagagt atttagtttg gtagacaaag taactgttca gaaaagttct tcatcaccct 180
gaccatcctc ctctctgagg acccaccgag ctatgcacat tcaacctgtc aagtaccgag 240
ttgaaatcaa tggcctgtcc actctcctcc atcctctgga tcacacttgc aacatgatcc 300
cccctgaatc ccatgctcac cagtttctca atcaactcat tgtagggatg gttgcggatg 360
aattgcgact ggttcggatt tccgaccatg agattaagac ctgggtggagg gttctgaagg 420
gaagcacttg ttgggggata tccaggttga gcaaaatgag gttgggggtgg atgatgtgtt 480
cttctctcctt accatcatac atcatgtatg 510

<210> 29722
<211> 387
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025a11d1

<400> 29722

agaggaacaa ttttcttgat actatatatc cagcattaaa gccgtcccaa ttattcatgc 60
aagatgtttc gacaaattac attagaaagg ttagtcatta tcaagctgaa aaaaaaatgc 120
ataataataa aaccaattgt ttgcaacagc aacgctgcca catgctggta taataatgct 180
tatacctaac aatcgctcaa aattgatagt aaccccccaa aaaaaggaag aaaaaatta 240
agcgctcaca caaagttttg ttctcatcat ataggcacgt agcgtttcaa agcctgcttc 300
gccgtgacag cgacttcaac cacgacgccg acgacggcgc ccgctaccgc cgccgaacgc 360
accctctag ctgcacgata cagcgcg 387

<210> 29723
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025a12d1

<400> 29723

ctgaatgagt gatattaata tgatectact atctttgaaa catatatact atcaatacag 60
aagcaagttg gactgggtccc aacaaacttt tctatatgtt gttagttggt gcctgggatt 120
actccatcct caccctcttt tatccacttt cctcaagtgg tgttcctact tttctcaaaa 180

catgcagaaa tgtattgaat gtgaccgatt gcatggtaac caactcatta ctctcatttc 240
aattcattcc aatatgatat aaaaagaatt ggatttcaag ccaacaacat tttatattat 300
caatatgtgt acatatgatg aacttaattt gaatgcattt gtagattctt tacttaatat 360
aaataggata gtttgctatg atataccgat cgataaatca taaggtttaa gtctaagtaa 420
ttgatttaat tttttggaac aattgttgaa tgagtttagg tatatcaaat gagagataga 480
aggagagaat ttctctttat tgcttgagaa acttagtgta aatctttgaa ttctttattt 540
aaatagaccc tattctttct 560

<210> 29724
<211> 448
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025b12d1
<400> 29724

ccaagaatgg ttcatcaatg gctgcaactg aatatataag ttctgtatta tatacacaca 60
gacacacgca aacacagaga cgaagcacat aatcagtttt cgcttggatt tggaaaccgt 120
tcgcgcatcc attagatctc aaaccagttc ggttggatcc gtcgtcgacg ttttcgtcgc 180
cgttcgcggt ggccggaaac ggtagaggta ggggaagtag ttcaattcaa atgacctctc 240
tctgccatgg acataacgga gagcctgcta ggccttgggt aaaagtctcc tggccttctc 300
tgctggtgcg aggaatgtcg aatcaacgcg gtgagagctc gcttcacgag atctcctttg 360
acgccgcgaa ttctcacgag cgagttcgtc atcgcggtac tgggcgcggt gaggcggtgc 420
ggcgagtacg gtgccggagc gtggctct 448

<210> 29725
<211> 522
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025c10d1
<400> 29725

aaatgcagaa gcagaaagac attagaatta acatgaaaac tggatgaagat acattctttt 60
accataggat caccacaaaa gaaaaaattg tgggattgat tagccgaaaa aagctagtgg 120

ctaccaaagtg ctatataccta caagctacat tttaacaagta attacaaaat acatagtgag 180
 caaaaattca gttcaagtta attctagctg gaaggcatac tccaggagat tgttcttcca 240
 aaaaaaatct ttcacaatta accagtttca tcacaaattc aggtgcaaag tggtaactttt 300
 gatgagcttc accaaagctt cttccaagaa catgttcaac ccaatcttcc aaagattttt 360
 tcttgtctga taaccaagca gctgcaagta tctgtgtcat gacctcatac tcaatttcaa 420
 gtataaactc tgatcctaac atcttttgaa attgtgtgtc aatgctttta attacttget 480
 cagcaataga atcaaagttg aaaggcttaa aaacaacttt tt 522

<210> 29726
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025c12d1

<400> 29726

aaagattaat gtaaaactat agctaaacta ttttacaacc attttagttg agtgattaat 60
 ttccagcatt atgggtttctt tgagaaccaa aacaaacaga atcatcagat atccttagaa 120
 acctattggc tctcctaaaa ttcataaatc atccctgaaa atttcctcaa gtagtttgac 180
 aagaaagaaa aaactatggg agttggtaag tagcatgtaa tggcagattt gtacacattc 240
 ttagaagaga tgaagaagtt gcagacattg agaaacatgc tgtagctctt cccttatcat 300
 gaagaagctt tgctcccaag taacaggctt gacggtttaa agcttcaata attagcatgt 360
 tcttacaagc tttggtctcc aattctaaca aaccaattac ttttttcgag cttttga 417

<210> 29727
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025d11d1

<400> 29727

ccacaacaaa catctaatac ttatttaaatt ggggatacca aaagagcatg aagccactaa 60
 taaccataac gtattcaact gaaatcagag aagaatggaa tgtcggtgga actcaaccat 120
 tcattccctt gaatgaaatt gcgaactgtg aactggtttg cctcagtggc gttcttgata 180

accctataac caggccacgt aactcttgca cttgtgtttg aaccgggacc cctattgttg 240
 tactctccat aatacaacgt atccaatgca aacgtgccat tccactccaa ccaccctttg 300
 gggctctatca gatcctccat gtaagaatta agataaacag ttctcgaata cttcttccaa 360
 ggacgaccca agtagttctt gaactgagat ttgaccggga tttaatcagc agctgctgca 420
 accttgccagt tcaagatgga aatgccggtg ttttggttag ggtcttctct tccttggtgca 480
 gtgaacatgt tcctttggtt ttcacgtgc ttgctgctgc acaagttgca gttctggagc 540
 actggtgctg cattgcccaa gat 563

<210> 29728
 <211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025d12d1

<400> 29728

attgggccta caataagagg ttgacatcgt ctattacatt aaatgctgtg accgccataa 60
 ttcaacaatg aaaggttcta cgtgcccaat tattttaaac acccaatgaa cttgcgaacg 120
 gggaccaggt ttgccactaa gcattggttag caaagcattg aaccatgctt ccttaaagtg 180
 cattggaaag aaccaagacc gttgaagtgg gcctttgaaa tttttccaga ctgcaatacg 240
 gacgtggcaa ccttctgaag gaaatctccc aggtatactg gagcctgggg gaaccatttt 300
 tgatcatcca ttgaatattt ccacccatac cgtgcttgaa aaacct 346

<210> 29729
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025e10d1

<400> 29729

gaaagtgaac acttttctgt gcaaataaca taatgcaaaa tctgttttca tgtctaacac 60
 gttttgctgg aatcgtgtat gggcatttca aaaccatggg ttatgtactt gtattcgttg 120
 aatttaatga taacactaag gttaggtaga tttgagctct tttcatcaaa atactagtgt 180
 acatgtactt gtcttcaact ctatttaca ctaactagtt gaagttcctt tggaggagacg 240

tgcttaatcg atttccgcat gcacgtaatc cacgaattca aaattctttt ggagttggtt 300
tagggcaaaa gctatggctg cgctgacaac tgcgagtcca gccaaaagta cacgcaactg 360
gaaatctgat gggatccctg atgttgacaa aaacacaact gttgccccaa ttaggacttt 420
ctgccatggt tggaatccct catatgctgc tttacatgat gaacacttga gagtgtgctg 480
ttcaaatacta tccaacattt gacgttttga taacacagtt gatggcaatg gctggtcgct 540
gc 542

<210> 29730
<211> 557
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025e11d1

<400> 29730

aatgctcata attaccaaca ccaaaaataa caaaccacaaa aataaacgga ctccaaaaat 60
aatcatagca cgagatttgc cacaacgaaa aaagtcgaac aaaataagta aaaacaatcc 120
cggcacatag taaaaaactt acatcattaa tctctgctgt ttagtacta aagacattat 180
cggggaaaaa aggcattgatt cagggatcca aaactgacga ttttcctcca aataactcaga 240
aaatgaagca acatacgatt actgcaacaa aatcaacggt agcgacacaaa ggagagggta 300
ttggttctct tccaggttga cctgcgtgat ggacgatttt tgtggttagag atgacctctg 360
ccacgtaaac cctattgct tttcccagca gaagtgaggc cacgcagttc cctgtgatta 420
tggaactggat tgcagagcca gatgattctt ggatcatttc ttacagcagt gtgggcaaca 480
tccaccagaa tgacctcaaa atatttggtta gtggagtcct cattcaccca gtatgaattg 540
agaaccctga ggccacc 557

<210> 29731
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025e12d1

<400> 29731

cagaaaaatc tcacatttct cgagtatcat atcatatttc aagcacaac taatacaaga 60

aataaggata accactaaca catacttcag gcaaagtaac aatttgatta agcatcaagt 120
gtctacatat aaccctcaga tacgatacaa gcaaaacaca gaattcagcc gtacacagac 180
cggacctaac caaacgggtt taaatgggtg ctactttatt ccacaattct aaagcacggt 240
tccaacctca tgtgattagt ttatccttgc agaccaatga taccacaagc tactctgcc 300
ccagcatttc cagtagtttt gctaagctca tgaccacctt ttccaagggtc atcagaatca 360
gcatggacaa caacagccct ttctatgatg gagtttggtc cagtgaagagg aatctgactg 420
tcggtaatac tgaagctaac ggtaccatca tcaccgacat tacattccca agatcccagc 480
atga 484

<210> 29732
<211> 475
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025f10d1
<400> 29732

atgaaattaa tagttgcat tatgaatcaa ttcaatacac agcacacagg aaaaggcccc 60
aaagaccatt tttacccta tgtgaagagg gttctcctct ctcttgaaaa cacataaatg 120
cattcaaggt ttaaattaaa cctatatata cacgtgttcc catcacacgc gcggacacca 180
tccattggag tcctgtatag ttaggcaaaa actagctcat ggcctaaaaa ggaaacagga 240
atatatgaac agctcccgca cagaaaaagg aaaaatcaca cgtgcacact taattggcac 300
gcaccataac cgactgcgca cgtgccaaaa aaaaaaggct actatttgta gccaaacttc 360
aacttattgg ccttcaaag ttctttatac tgctgagggt atgcatcaa agttgtaacg 420
tggtgttga acaagcagt atgctggaca agaatgaag ctttacttga cttat 475

<210> 29733
<211> 497
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025f12d1
<400> 29733

cccttatgaa catcgacatt ttcattcata tatagcaggc atgataagcc ataacaattt 60

gtttcagctt gcacgaaatc agattcaciaa gccttaaaca aaacttgaaa gcaaagcaag 120
gctctgcttg tagaaaaacta caaatagaat cactggtgaa acttagatca ttacatacca 180
gctacatgga aagaagaaaa ccatattaac atctcttcag tgaacatttc ggcacgatga 240
gacttctcct cggctcccat tgagaaacgg caaagtggac acgtcttggtg gcgaccctta 300
agccatttat ttacacaaat cttatggaat ttgtgcgagc aaggaaggac acggatttca 360
tctttggcct ttaaccttga caagcacaca caacaccaac taccctcatt aaaattggat 420
gctgatgctg attcagatga ttgctgcttg ttatttttga tatggctaga tagcatgtaa 480
cacggtaaag ggggggc 497

<210> 29734
<211> 518
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025g09d1
<400> 29734

ggtgtcaatc catggttata tgtattcaag acatcctact atacatacca caagtataaa 60
aggagggcca cccaggaccc acttcagggt ggatcctctc ttgaaccggg aaaaaaagga 120
tgactcatga gccctcacta ggcagggata atgaataatg aaattgatag cacaaaaaga 180
tattttacat caataaaaca tgctacatta ataaacattt gaagaacca acgaaccctt 240
cgaaggatat caattacacc caagaagatt ttagagacgc cagacaagga agcagtattt 300
caccattgat gaattgtaac ttgaagtaga tcaatgtatc aaaaggctag aaaagctcct 360
cagaattgaa tttattccag gcttccttga gtagatcaaa caccttttct ggacatattt 420
ctgctgtaga tgggcaccct tctgctgact ttatcaggat ggatacacia cgtagctttc 480
ctataggctt ttttaacagc agcagctgta atcaaac 518

<210> 29735
<211> 536
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025g10d1
<400> 29735

caagcataaa acgtaattaa attaaaactg caaacatgaa agggaaattt tcacacagat 60
 gaatatcaaa cttaaaatga ctattataca aaagtcccta aaaaatggca aaattgcaat 120
 tagcacataa ctctgggtgg ccatgtcatg atcaatgaag agaaatctca tgataatatt 180
 caattaaagc cattgaaatt taaaccaagg acgaccatat caacatgtga attcaatggg 240
 tttcttctcc tttttgtcgt caagtagtgc ctttctttgc cctgcttctg ccaactgatt 300
 ccataacag gttgatcagg agaaactagt ccagtagtct aatcatccca tcccagccac 360
 atgtcgctac cttgctctgt tccaagggat gccactcgca accaatgcaa acaccttctg 420
 gacacttgag agttctgtag accttgcaag tcttccaggc ccagaaccaa cacttcccct 480
 taccattccc cgacatgaca tattgtccat ccggagaaaa attgacctga catgca 536

<210> 29736
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025g11d1

<400> 29736

aggcaacaaa caattccctt tatagttgaa aacaaatttg aacaattgga taagacattt 60
 gattgtatat acactcacia gaacaatgga tcaataccaa tgattgacaa acctcacaac 120
 cacaacaatg aataacttac ccttcatcct attgatgtaa tttttggaat cctcttgaac 180
 ctctagactg gtaaagctcc agcctaccct tggattcctg caacaatgcc tcgaggggtt 240
 cgtcctgcgt cacgtttggt tgcttggaag ccattcaag cactccaagc accttagccc 300
 tagcaagttc ctactgtctt ggcacatgca atgcaatgta ggagagcaga actagtgtct 360
 aaatctgaac tgtctgttct tcaagatata caagctggac caagtgttct gcaccaccgg 420
 cacttatgat tgccttggag tgatcaaggt ggaggtagtt ttccgaggaa gcaaatttcg 480
 tgagagagat agctgcttcc ctagacactt t 511

<210> 29737
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025h10a1

<400> 29737

cacgcttggg tttgctctcg aggatggttt atcaggaaat catgccacat gcccttgctt 60
 tgatgactga tgtcttttgg aattatgtgg ttcaaaagtt ttttgagcat ggacttgcat 120
 cccaaagaag agaattagcc aacaaacttc ttggccatgt tctgacactt a 171

<210> 29738

<211> 461

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400025h10d1

<400> 29738

gaaaggggaa acaaagtcaa caaccatata tgattaaatg aaaatgaaga aaaaaactgc 60
 cctcgcttaa acaagagcat catcattttg tacagtcgcg tcaacttata aactaactca 120
 ccattttaca atctttacac cgtaaatggg cttgtatagt cataatattt catttaattt 180
 tatctctctc tcctctgcag cagggggcat caggcgcatt aaaacatctg aggcctcatc 240
 tctcgcttaa attctttgta taaacttaaa agctacaaaa tgtacagttt ctgcagtaaa 300
 accgacaact ttattttcaa ttggctacac aaccatctt gagagatagg caaacatgac 360
 ctcttgatt tgggaggggc ggaggaagca gcagcagctt aactagcct tagttagctg 420
 tccaagaata ttttttctag ccacctaagc aggttgagga g 461

<210> 29739

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026a03d1

<400> 29739

caatatgaac tactttctac catttatttg atagtccac agtactatcc actacatttt 60
 gtgcagccaa taaaagggtta caggcaacaa atatgatcaa actagccgtt gtaatgtaca 120
 acaaatacct ggtagctaa tatgaacaaa tgagcaaatg atttaagcca aagaatcata 180
 atgagtttaa attactttct acacgactat taaacaatgt ttgaagagtg gggagcccca 240
 tgccagggat caaccaaact tgcagtggca attaggccca tgagaatcat gcaacaaatt 300

tttgaccctg tactttgaat ccattgcata gtccagcaat cgcatttata agagttgcca 360
 atcatcctca ttggttcttg tatcattgcc acggtccatg ccagggaaat ctctctcttg 420
 gaatccaatg ttgccacctg acacatcatt actggtgact tgctttgaga aactccgaga 480
 ctgagttaca gtaaacaatg gtgcaccatt tgattttttt 520

<210> 29740
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026a05d1

<400> 29740

catgaagcat gcttttctta ttgaccttat accgtcgtca ggtacacatg gaaattatac 60
 atgaacaatg agtgtcagaa acacattcac taacactctt tttaacaca ttcttctatt 120
 gcttaaaatt taggtggatc ctactaattt gcgaacaata cccaccatat agaaaatgaa 180
 actcaccgga cttttaacta acaggagatg tatgccacag acagttttcc aatttaccta 240
 ctctgtccta cgacactata gctctgctat aatgtagcat aaa 283

<210> 29741
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026a06d1

<400> 29741

cctctaattc tattgcaatg tacaataaat atgaataaac gagattaatt atggacttct 60
 ccccgatgaat ttttcctaatt tgatgtcca ttccaaggaa acatcggtga ttcaatggtc 120
 tgtagtttcc tcatgcatct ttaatcagca caatgaacta tctatgtgta gttcattata 180
 tcattaatct attttgcatt gccatttcca aacgcaggac tatcatcttg aacgattact 240
 tcaactgggt tttccttttg ccagacagcg gcatctagat atccaagctc aaagagtcgg 300
 tcaagaattg catcttctgc tggttcaagt gccagttga aaaactgtcg tgggctacac 360
 acgttttcag gattgcagtc tggactaatt cctatccctt gcaatcccaa tcgacttgct 420
 ggaaaagcac aaacacgaac cgtttgtgca gcagatgtcg gtggcataaa caatggtcaa 480

ccaccatcaa tgcatagtcg attac

505

<210> 29742
<211> 424
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026a08d1

<400> 29742

ggtaacaaat tttaaattca tccatgacca tgaatattta tacagactgg agctgctgaa 60
agtgatgtta ttctccaaat taatttgagc accttccatt cattaataag taataactaa 120
catataaaaa gcacataatg caaagatata tgagaacaac atctacagaa aactcaagtc 180
atcaactgat aactttactt gcacaaaagt gcacaaagac taatgcaaac actgctgact 240
tgcaaattggg ggatagggga atccccgtatt ttcctctagc aaacagtgtt ttaaaatatg 300
ggcagtagca cactaccaa tacgtactac agatgaattt cccaagtgc ctgccattac 360
cactatgagt tggttgcaac ccccaaaact tgatcaacat tgctgtcaaa tgcaccaaca 420
aaat 424

<210> 29743
<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026a10d1

<400> 29743

ccccgggga ttgcccccaa aaaaagggcc ggggaaaatt taacccaag ggccccccc 60
aaaaaaaaa cccccgggg gaaaacaaac aaaagggggg ggtttgccgg cctttttttc 120
accacaaaca attgccgaat ttgagggggg gtttggggaa tttttttttt taaaaaaaaa 180
aagggggggg ggaaaaaacc ttttaaaggc ccaaagggtc tccactgggg caaaaaaaaa 240
cccccttgg ttttttgggg gaaacactgg tccctttaa aaaccaaact tcccccccc 300
ttgggtgggg gggggggggc atcaccccc accccttcaa taaaagggg gttgaacagg 360
cttttttgat ccctaaaagc caagagaacc tcggggggcc gggggaacat ttggaaaacc 420
cccgggggcc caagaacctt gggagggggg gcgggggggc ccccccccc a 471

<210> 29744
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b02d1

<400> 29744

ccagataaaa aaagatagtt aaaaataaaa taaattctga agtaaaaaat gtaaatagta 60
 aaattatttt acccacaata catgaaaatt aaactcctga atatatacat tgcacaaact 120
 acacagatgt tcatttatgt taacaagata gaatagaaat agacttgaag cagacaagat 180
 tcatggcttc cacaacttca ttgtgcagtc ttcactaaaa gttgcaacaa gattcctatg 240
 gggatgatga gtgacaccta taacttcctt atcgtggacc ttcattagat gctccaattt 300
 gccagataga tagctgaagc agtatatatt cctatatatga ccaacacagt aaatccattc 360
 tccttttaggt gaaacacagg ctgcaacaaa gtcttcgtct tctttttacc agatgag 417

<210> 29745
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b03d1

<400> 29745

atccgtgctt gttcatgagt cagacactta acaaaccatc aataaaaatt agccaattca 60
 gttattaagt cctaacgtta gggccgtgta taatggtaga caaattaggc attagcctaa 120
 ggcccctaaa aaaaaaattt ttagaccctt aagatttttt tattgctaac tattaacaaa 180
 ttttaactga tcaaaatgaa atagtttaga atctctctct tacctaaaaa ttaatcaatc 240
 aatattatgt ttttaaaaat taaccaatat cacaattaat gtcatttaaa gtattttatt 300
 tatcccaaaa aagtaaatcc ctattaactt tcctttaacc catcacaatt ccctaactaa 360
 cggatctcac tcttcagact ccatttttca cgtgggttca tctcctcatc ttatgttcat 420
 gaaaaaaatg tattcttcta ctttccttga atgaaacata ttggctattg atcaaacttt 480
 gttt 484

<210> 29746

<211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b05d1

<400> 29746

ataaattatt tactatttaa gatttgaaag cccattcgtc tcatattgta caaatattta 60
 tacatcaata tcattatggt gacctcacca ttatactcta tacagcagaa attaaaacac 120
 cttatataca gcattacatt gcccatact ccaatgattc ccagttgaag ggctggaaca 180
 catagtaaac tctaggtgag cttttgaaga gcaaagccac acagacacac acagctgcta 240
 tggtcaccat ggtgagcata actggccaat aaaccattgc tgttctcatg cccgacattg 300
 acgtggcatt gttgttgttt caatcttctc agtctgcaag cttgaaactc tacatgtcct 360
 atgtccattt gattgcttct gcgtcgtgta actatctaca acaatgccag tgatatcaac 420
 cacatgctgt ctttcacctt atttgatggt cttcttctgg actagttgaa tgtaagagta 480
 ataagcccta aagcatgcat agtcgttagg ggacaaacct gtactgtcca ggga 534

<210> 29747
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b06d1

<400> 29747

acttcaaaac gctaaaatat atcaataata tatcaggitt cattctcctc aaaaccatca 60
 aataataata gaaaattttc tccgaggact aaagcaaaca actagaagaa aatataatat 120
 ccctacacaa aactgaaatt taaaaaataa acagcaaatt gagtataagt ttgtaacata 180
 aaactgaacc aacaagcccc aaaaaacttt ggaatttgct ttttaagttc gggcaggagc 240
 tcctactcca gcaggacgtg gggcttgacc aggtgacca ggccttggtg catcatcctt 300
 gcgtctgata aatcgctgtg gaggctcacg cattctccta tcagtgcggg atcgaacctt 360
 aacacatgag agtggatagc acaggaaaca caatactgca tcttcacata aagctttgga 420
 agcgtgtatt gttcatagac acaagccttc t 451

<210> 29748

<211> 419
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400026b08d1

 <400> 29748

 acaattggtg ataccagcta ccaaaattta gtgttgatag cgataagtaa taagtacatt 60
 aaacctcatt gaggtttatg acaatcatgg cccgaacgcg agcatgagaa aatcataatc 120
 tttatggatc cctaggaaac cttaataaac tcatctacaa aatcatagta atggactcat 180
 aacttcgtaa tttttcagca gatgcattat tctttttgcc ccgaacgcga gcaggttgct 240
 tcaactactt atgcatccaa agcatgtgct gttgatagta ggtgtagcct tgcctttggt 300
 ctgtttttcc cttgcttcat tagctctata aactccctaa aaatgtagtc agaatcatga 360
 ggtccagggg atgcttcagg atggtattga agagacataa gctggtgagc agggaaagc 419

<210> 29749
 <211> 542
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400026b09d1

 <400> 29749

 gtaatatctt cccctttatt gtatatatga tcaacaatct gattcaaaaa caacattaac 60
 tctgtggtgc tgtgaaagcc aaattattgt ctgcaaaata gtattgacct ctctcgtgc 120
 tgaaaataag accagatttg gccatcaaga agcttgaatc cgcacccctc aaacaagcca 180
 caaagtcctt atcatacctt cctccatctt catgtttttt gaagaaaggt atgtcctaac 240
 attacttttt aaaaaataat acgataaaat atacagttta ctccacccat agcacatcaa 300
 aatttctctc aaagaatgga taaaaaccta cttaaatcaa catgaaattt atctagaatg 360
 caaacggtt gccagttgca tgcaaaaacc tatgagtgtg ccaccctttg ttctgcaatt 420
 cccttgagaa tacaggaaag acaccattca ttttctgata agcctcatgc aggacactaa 480
 gagcactgag ctcatgagag aaactatgtg tttgtgcagc atatgcagca actagccacc 540
 cc 542

<210> 29750

0022E0-EFFESD

<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026b10d1

<400> 29750

actatataaa attgagcaat ttccataaca gactgtactg aaaacagtat aatccagcat 60
acacataaag cccaaaaaaa taaatccaac atataaacca gattgtctag caaactgac 120
tactcactag taatactgag taatctagct aacgagaata tcccttccaa ttttccctcc 180
tattgttcct gaatgcacag caccctatgg agtatacaat aatgagaaga acaaggaata 240
cgatgttaac aacagccacc ctcttccatt cagtcttgaa gttttgcaga aagccagcct 300
tgcatgattg gcaattgaag cacagaactg tttgattgtt attccaagca tcacagtcag 360
gattgttgta actggtcaca tttccaggct tcgtgcagct cgttgaattc tcataggtaa 420
ataggcattc ttctgcaggt ttacagcacc cagactgaag cgcggacagg tgctcgggtg 480
aaaactgagt aac 493

<210> 29751
<211> 370
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026b11d1

<400> 29751

agttattccg atattcggac gcatcacctt gttatgaaat cacattgata gcctctactc 60
gtgtcctagc tcgtctaaga gctagatttg cctcaattgt tagtctcttg ccttcgcct 120
tattcaaatt agcttctgct atttcaagag tttgctgtgc ttcttgtgga tcaatgtcac 180
tacccttttc cgcattcatt actaaaacag tgatctcatt attgtttatt ctagcaaac 240
cgcccatcag agccatcggt aaccatttgg ctttaagaag acctattctc aaaataccta 300
tatctaccgc tgtggcaata ggcgcatgat ttggtgatac tccaatttgt ccgctattag 360
tagataaaat 370

<210> 29752
<211> 169
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026b12d1

<400> 29752

attcattctt gtttacaggc caataaaaca tttccttttt ttttaggagg gagaacatat 60
agtttttgtt atgccccata caagagcccc cattgaatgg ggttattgac cccaacctac 120
ccaccacata atacctgttt tgaaaaggaa agggggaggg tttaaaaat 169

<210> 29753

<211> 590

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026c01d1

<400> 29753

gttaaacaac aaatgtccac tcaaatactt ggatataatag acaatgaaat tttcaacaga 60
ccgggcaaaa tagcgcaatc agcaaagtgc aaactcaaca tttgcaaata gtatcccaca 120
tataaaatgg acgaatatgt tattgaggag ttaattaaaa ctaagagcag agcataggct 180
acccaattt caagccgaaa gaagagcaca agtaaaccga tcttgacaaa gttgattaac 240
cgcattcctg aacttataat agtcctcaac cttgttgtaa acctgacgag aaattcgtgc 300
atacgcagta acagagccat ctttcccacc acgaaaataa attggtactt caacatcaaa 360
ttcatccctc aaacgggtcc taagcttttg agcatcagag tcaactccaa taccxaaaga 420
aggaggcaaa cccaccatca ccatgctagc actcatatgc gaaggactcc caaggtgggt 480
cccccaagcc ttcaccagca tctcccccat cttaacaacc aaatcatggt tctcttttct 540
gatcccttga atcccaccct ggaccttttc acgaactcca taaccgccga 590

<210> 29754

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026c02d1

<400> 29754

cagttgtaaa gtttggacct taatgtcaca taacagaaaa tggttaaccta caaacccgatc 60

aatctctata tactgtacaa aaatgtgtga attgcacatc cttgtcagca ctttattttt 120
 taacagttac tcaattacaa gaggaaaaaa aactatgata tttaacacat tgcagtttga 180
 tagaagggtga attgaagaat atacacctta aaagattttt ctacacggaa aatatcccag 240
 tcagccaaaa aaatcagtca tccaaaaacc agaaatttca gggacctggc ttccaaatcc 300
 atcaactcca atctaacaaa agaattgtgag aaaaagttta acaatcagta gtcattaaca 360
 tttggttgtg accatggcca ttaagaagtc ctgtaatata taggtgtgga tcattgtgat 420
 tcactttttt caggaacttc catttgagga ggtaagaggt tt 462

<210> 29755
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c05d1

<400> 29755

aatcacctta aacaataaaa acattctgat ttctgagtgt actgcaaaca taaaaaccaa 60
 ttatgcatat aataaatata aacagaaact gactcaaaaa tccctgtgag aaaagatgct 120
 tagactatcg tcctcctaac tcgaggcacc taattcttgg ccacaacatg aaaatcgaat 180
 aaaaggaaaa accaaaccaa gcagaaccta caaagttcca ataccatccg ccaattgcat 240
 aaaaagtctg gttccaagg tgacctaacg gagaaactta taacatactc aacttacaaa 300
 tccattcatt aaactagata tatctattaa aaatccaaag cttcaaatac caaataagtc 360
 aaccaaactt tactgaaata tggcacagga ctgggtgcat gaagaacttg atcaccatcc 420
 agctcgactt gaccacaactt tagaagcact ttcgatgaac gatggctggc ccagaatcat 480
 catattcacc 490

<210> 29756
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c06d1

<400> 29756

ccatcatatc atccatcttc tttttgttcc tttctttgtg agaattgtgc gttaaaatag 60

ctctactctt aacgcacatg atccttaaca ctggcaggta cagcactacc aaacaattga 120
 gttttcttcc tcagctaatt gatatcagca ataagcacca acacagaagg tgtcgtaatt 180
 gttttcaatg atagatagtc ttgaaaactc cacccaagct ataaaatcat caccaccaa 240
 ccttcaattc tttagaatca accctttcaa tgtcctgcat ttttcaaca cttcacctac 300
 accctttggg gtaacatgtc agcaactctg gatgtccaca agtagtacgt ccactacacc 360
 tcttcgagat tattgagagt gcttcactct cgattcttga ccttgacaac ttcaacacct 420
 caagttgaga aacttcaagt ccatcatttt aaacactttc attcctgtat aggccagggt 480
 ca 482

<210> 29757
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c10d1

<400> 29757

gatgattaaa ctgagcaatg aagatgagac cgctcaatct ttcactaata actgcaagag 60
 taaattaaaa ctctcgcaaa acattgatat cgttacaacc actgatccaa gtgaccctta 120
 ttttagaata cagttacacg cacaagtgca caacacaaga ccataggtaa aaacataaat 180
 ggcatgaaca atgagtcaaa gcaatggcag aacaataata ttaacgccac caccacttgt 240
 aacagtgcac tcagttcctc tgcagtagca gagaaattag acatagcccc tgctctgtaa 300
 actctgcact gcacacctga tgatttgctc aacaggagtg aattctagac ctaaataaat 360
 cagcttcttt gatgcactct ttccacttgc tgtgaacaac cctgggtggg tatgctgtgg 420
 caacttagcc acatcgtatt cagggtataa ctgagcaacc ttgtccacaa gatcactaaa 480
 gtgacgaata gatt 494

<210> 29758
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c12d1

<400> 29758

gacttaaaaa agcacactgc atattcatca aagcatcatc aaagcacact gcatcctaac 60
 agcacacgta cgtagaaagg tgaagttcca ggtcttgac aacatacaca acacaccata 120
 atttatttta tatacaatct tatggggccc aagatgcaga tgcattggact aattaaacaa 180
 caacgttagt ctgataggca gtatccatag ataaattggg taccataaaa atggccttgc 240
 ttccaaggaa atggcaaaca gggttagttc caggatcaac tcccatgagt tcatgaagca 300
 tgtgatgatt cattccagaa gtatcttgag tggcaaacag caagtgcctg agttttgggt 360
 ccatcaccag ccaccaatgg aacctgaaa ggtgttggtt cacggacttt atggcagtaa 420
 aatactgcag ttctgaaatt aagcccatga cacatcact 459

<210> 29759
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d01d1

<400> 29759

ctgcaaagat ctggaacttt atggaacata ctactagaaa caaccttaac aagatcattc 60
 cctgcaatga aactacaaga attctgcaaa ttaattaaac acaagctttg acataaagaa 120
 tctaacgaat acaatccagg agtataaact aagggccttg cccaacaaaa tatactcata 180
 cttcaatctg agcaccactc ttgattaaca aaatctcact atttttttta caattacaga 240
 taccaagcgt taaaatcaac ttctgcttct gcgcatttcc ctaaggccat ttccattagc 300
 atatggtacc tcttaacgcc cagcataagg aggggacctg cttgtgctac tttcacaagg 360
 tgtcaaacta cggcgcctat gggaccgacc acgaggacct gaacttcttt tcccat 416

<210> 29760
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d02d1

<400> 29760

ccaagctgct aaaataccta tgcgagtctt atttcatctt actgtcacta caatttagct 60
 aagcttctaa aaagatatat gtgggtaatt ctatgcatct atgaagggtt ttacaggatg 120

aatcgccaaa gaacaatgaa gaatcgactg aagcaggcag attgatcaaa taatgcctgt 180
 cctggtgagt gatgatcttt aaatcttggg ctacgcctgc tgattgcaac gttgcaaaat 240
 agggaggcca aagctcaaatt attcgggtcca gggacttcgg tatcttccca ttgcaatgtg 300
 caaccacggc ttactaattc catcgtcaag tataagggca gatgggtcaa gctcgattgt 360
 atcggctact gagtcatgac caaggccaag aatgcgccac cgtgtgtcca aaagcttact 420
 cttgtttaga atgtgagcca gcctaaaggc ggacttcc 458

<210> 29761
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d03d1

<400> 29761

aatcaagaac attttaagtt aaaaatcatc caatattcaa tcgagagaca tgcattggtt 60
 ccaattaaag tgcagagaga cacattgaaa catgcgtaaa tagttcccc gattagtaac 120
 agccgcgaag aatgctacca agaaaataaa accatacagg gcaaagtggg tctcaaagat 180
 tactttctct cctcctcgtt tgatggcttg tcgtcattct tctgttgagg ctcagactga 240
 ttttgcatgg aagccagcaa atccttgaca gaagggtcat ttgggtcaac cccaggaagc 300
 gatgcaagga tagaagatac aaaggattga tcggccaaca atttgctcat gtctgactgg 360
 ctgccttgat cctttgtact atctgctatt gacaattgga gtgccagagc caagtcagga 420
 tcacttgtag aagcttctga catatctgga tcttttacat catggc 466

<210> 29762
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d04d1

<400> 29762

caacacaaac caaacttatt ttcaaaggtc attacagacc cattacacat cacatttctt 60
 cttaaaatgt tggggaaaat ccaacatcga acatcacaca gaaatcagct ccagtttaaa 120
 acccccacg aagacccaac accaagggca aagttgactc cttctggatg ttgtagtcag 180

cggggggtcct tccatccttt agctgttggc cagcaaaaat aagcctttgc tggaccggtg 240
 ggattccttc ctggtcctgg atcttagcct tcacattgtc aatgggggatg gagctttcca 300
 cctagagggt catagtctta cccgtaaggg tcttgacgaa gatctgcata ccaccactaa 360
 gacgcaacgc caagtggaga gttgactcct tctggaggtt gtttt 405

<210> 29763
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d07d1

<400> 29763

aattaaaaca cttgggggga aaaccctttt tattttttga agccacaaag tgtaggggaa 60
 ccaccgtgaa caccgggaaa aattaatggg tcatcccaag ggtttttttt aggggggaga 120
 caatgtaact caaaatttta aaggattaca agccatttg aacaagataa aatattgggt 180
 tttatcaagg gataccttct ttttaagggg agaatgctta ggtcctcagg ggggggataa 240
 gcagggtccc tctcacttc ttgcagaggg gtcgaagttt gaggcatttg gatcattaca 300
 accttttagga acgggaattt tctcttgag ggccgctttg gcaaagaaag gccctctttt 360
 ggaggcattc tggttggcat taccaaaa 388

<210> 29764
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d08d1

<400> 29764

aaaacaaaa attgtgcacg aagcatcact tcataaacct atctgattga tacactattg 60
 tactcattac aatctgggtc tcataactag caaaatcttg actacacaat aatttgcaaa 120
 gtgggaacgc ctctctgtta attaaaataa gaactgaagg atgccagaga tcaactattg 180
 cagtgtagac gtgggaaaca gaaatagacg atgtacacaa aagggaacaa ggatgtacag 240
 ggtggtttcc tatatgatat gtttcaactc ctgcatgatg agtcgaatca gcacaacatc 300
 gatttgatag gttaatgtaa atcgtttagat ccaagggaaa cagcatgaag agcttacag 360

gttatattga taagcaacta ttt

383

<210> 29765
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d09d1

<400> 29765

gaatagcaat tttaattagg aagaagtaag tagatacaat atatatagta gggaaaaaga 60
 ataagaccat ctaatTTTTT aattaattta cattattcca tgTTTataca cttataaatt 120
 attccttaat tttcaatata tcacgtgtaa taaatctata aggccaaatt tggtaatccc 180
 gcgggttact cttaaactcg cagaagctgc cacggccacg tttgaaacgc catgttgac 240
 gggaatgaac atagaacata gttgaggtag ttggcttata agacataggt atggaggtct 300
 acatttgtgg tctggtctgg acaacataga cttttgcac cttgatgaca cttgaatgt 360
 cctgaggagt gccatacaac tctttaattt tattttctgc acgggcaatg ctggacaaga 420
 ttgactggcg aaaactgcc tcaaggatca gtttgtctgg aaaataatca agcaccacct 480
 tctcggtttt atacattggc acactgtcat aaga 514

<210> 29766
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400026d10d1

<400> 29766

gaatagcaat tttaattagg aagaagtaag tagatacaat atatatagta gggaaaaaga 60
 ataagaccat ctaatTTTTT aattaattta cattattcca tgTTTataca cttataaatt 120
 attccttaat tttcaatata tcacgtgtaa taaatctata aggccaaatt tggtaatccc 180
 gcgggttact cttaaactcg cagaagctgc cacggccacg tttgaaacgc catgttgac 240
 gggaatgaac atagaacata gttgaggtag ttggcttaga agacataggt atggaggtct 300
 acatttgtgg tctggtctgg acaacataga cttttccatc cttgatgaca cttcaatgt 360
 cctgaggagg gccatacaac tgtgtaattt catttnctgc acaggcaatg ctggacaaga 420

ttgact

426

<210> 29767
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e02d1

<400> 29767

cagattcaaa gccattatga tacatacata cagatgcgac cattatcttt ttctatgtac 60

aattattggt attattccat atataaagtt ttctcctgaa ctttagccct tgggccaat 119

<210> 29768
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e03d1

<400> 29768

ggctctcctt ttttttttga atagattggt tccggcctac caattttata gcaaacactt 60

tgatcttaat gcatatagta acaattgaca aattcttgat attgacaata acattgattt 120

tgaggataca tatttgacaa tgacaccaca aacgcattga acccaagtgt tgattacttt 180

ctctctctct ctcatctctct ctctttaatt aacatcttat tctgttgga attatgaact 240

ggaaactgga catatgacgc acataacttt ttgcttgct taactatata gaaacatgaa 300

atggttgatg tgtatagatc tcaactgatat tatcccttaa gcttcttacc catgcccaca 360

aagtactatc cttgatgaaa agcttgagcc aagtctaact catttggtat gttggaacca 420

taccggcat aggtacctgc accataaggg gatccaccct ttacatgctt catctgaaac 480

attccagcac caaatgtgtt accaatgggc acaaaaatca 520

<210> 29769
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e04d1

<400> 29769

aagctcagag tacttcgata actttatatt attttacatg catgcatagc atatatagcc 60
 tgctttcaaa ttagtcagca ggaaccaaga tagagagatc ccacgatctt taaatttcac 120
 atttgccata aatatttata cagaaaagag ggtttgggat atgagttaag ttttgatctt 180
 attcaactac agtatcccaa accattactt ttaagacttt gaactttact tggcctccag 240
 gatcatgtgg ctctcaagag ctaattccac acaagccctt aggatgtttt ccagcatagc 300
 attgatgctt tgacagggca ttaaccactg gcgtactcgg gggaaccaga ggggccctgg 360
 acaggtaacc gaggtaggtc tcaactgggt ggaatgagcg gaactttgcc ttattttcag 420
 tgttaaagct ccatttc 437

<210> 29770
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026e08d1
 <400> 29770

acgaattatt tgttgtctgg tttgctgaat ttcatatgcc aaaagtggga atgaaagaca 60
 atgagatcct ctctgaacag tttcaatggt ccgcaatatc accactctat acacacattt 120
 tcacacaagt gaaatcaatt tcttccatt tatcattaac atcccaatgc tcttctacac 180
 catttaggcc tacttttttc tcaatttctc tgtttgtaac ttaacactcc cgggctgcaa 240
 gcatttatta cagaatcagt gtagttgtta aggatctttc tgtaatttca agcctcacta 300
 gttgggtaga gcatcacaaa acatgtcatt tatgttgtct caaactgac attgactaga 360
 atcctcaggt gggtcagcag ggaagacttg ttttggcagg tgtgaaactt tgagtgagcc 420
 tccaagctct actggcacia gagggatca 449

<210> 29771
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026e11d1
 <400> 29771

atgggggtgca gcacgtattt attattttat tactatcata atgaacagct ggctatgtgg 60

gccagaatgg agtacagaat ataacatcct aatgccttga aatttaatta ccacacagga 120
 gaatctcctg aaacggataa agaactcatg acctctgaat gaaatataaa tcaataacaa 180
 gggatcatca catgttgagt tatccacaca aacaagagaa aactattggt gttccttatt 240
 cgtcactctt ccatttctct gttaagatca tgttcaccac ccagtgaagc agatggccaa 300
 tgatcaattt gactccgcac taatagttag gttgagtctt gaatagggga gaaaccattg 360
 ggtccatagg tggtaggaca ttggttcctt ctgtaagtac ttgcagctct tctctcagct 420
 gaagggagtg gccaaagagag ggtgcatgat tcccaatcac t 461

<210> 29772
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e12d1

<400> 29772

attgtgtgct ttacttattt atttttttat taaaaacaca acagacattt tttcattttg 60
 gccagcatac tactctatta aataaactg ccatggcaga gaacaaacat tcctcacagg 120
 atattattct gtaacgcgta aggaactact tgcgtattgt acatatatca cttgggcaca 180
 acgcaccaac aaatTTTTTT ttattcacac aaacctggga aaactatagg aggaacgtat 240
 tccttactca taccttgggg g 261

<210> 29773
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f02d1

<400> 29773

aatcaaataa caatacaatc ttatttaatt aatgttttga caaactttat tcccatagaa 60
 acatgataaa ggatcattta attgataata aggactcgaa aagttttcag gggtatcaaa 120
 tgtgtcttga cacaggcaac atcgatcag caccttcgca ctaccatgtg cacgatatat 180
 tagcccttga ttataacgtg aaaagatggg gaacaaagaa agtggataat taactaaac 240
 aagaatcctg ataccctttt tatcatattt tgcagcgct tataagaaca ttgactagtt 300

agcagacggg gagagaggag aacatgtact ttccaatcat taacaagact taggccaat 360
 aaattgcatt catgatcact cttgggtgct gattgactgg agctctaaac aattgttttc 420
 tgtg 424

<210> 29774
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f03d1

<400> 29774

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 ctgcaagttt ttatgaacaa gggaaactgg gaacagactt tatggaaagc aacacagatt 180
 aacaccatta agcattacac accccaagt tttgctcggg gtcctaaact ttgaatgtca 240
 aatgccctta aagaaaaaat gtttaatctt tttttccaa caaagaggga aggaactttt 300
 tggaagcccc tgggatttgc ttgggaaaag cccgcttaaa aaaaaccctg tttttattgg 360
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<210> 29775
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f09d1

<400> 29775

caatatgaca gtccacaggt tagctattga tgtggggcaa ctaaaacgag ttaaatagtc 60
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 tgacatgagt ggcattacta ctgcacaaat ctggcgtagt ctttaacatt attggcattt 180
 acttactact agacaagtct gacaaaggca ttattaacat aagtcactca ccaagctgaa 240
 taagctcata tgctgagata catatactgt caagattttg accgacgaaa cataaatatt 300
 aatgataaca tacacatgag aaacaggtgt tcagttatgt gatgatagac ttcaacggtt 360
 gccttgatta tgatccacac agcctccatt ttcaggggag actttt 406

<210> 29776
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f12d1

<400> 29776

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tatggaaaga ccccccccta caacataaaa aagctttttt tttcgtataa aaggtctcca 120
aatatgtcta ggggcccacaa gctctgggag aaaatcacat tggagtagca catattggcc 180
ttgataatta ataaaaaatt cctacttttt cataaaaatg caataaataa ggcatgggct 240
acgttggcta cattgggtac caaaaccaag ggggaaatta ccatgtttat aaataaaatc 300
aaccattgaa ctttttataa gtgcccttat aggcggaaac actcttgta atgcaattga 360
ataccataca agtttaactt tgcccgggct ttgaatgact ttttt 405
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<210> 29777
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g02d1

<400> 29777

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agcagcccaa atggggaaga tcatgataat gccttcaact tgtctgaaca ttcgtcatga 180
tctgctggtg ctttgaagtt cttcactgat ttaccaaga catttaaaac agcatcacgc 240
tgcaattctt tacctagctc taatgaaagc tgaattgagc tcttctctaa ctcaacagca 300
tgcttgctta gttcaactga tgacaggag cgaagcattt ggatatattc ttcttgatct 360
gattggtcca atttcctcaa aaacatctgc aattgttggg attgctcttt ccagtgcaaa 420
atttttaatc cctttggatt accaatggga gttgggcccā aagaagctgt tacataattg 480
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<210> 29778
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g04d1

<400> 29778

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 ttcataaata tcttcaacat cttgcttaca taccaaacga catccgcacc tcactatttc 180
 caatgattgg caaccataac ttttcaatac aaattcaatt tcactgccga caacaccttc 240
 acaaatcatg tcacggtatt tatcaatgga caagtagaga atataaagggt gagggcaatc 300
 tagctccatg ggaggtaaatt tcttgggaact gataatcgcc ttaccattag gtccaaacaa 360
 gtagcactca acttcatgat ggcaagcctc aggaggattt acataactta ctaataggaa 420
 gcacagagca tatccacccc attcatttac agggcaatta tgagggactg gtatttttagc 480
 ttatgaaaca cattcttgag ggacaaacca tgatggaatt cactccctgg gattaacatc 540

<210> 29779
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g05d1

<400> 29779

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 taccacaatc acatccacac gactcagatt atatattatg cctaacacat agtcaggcag 180
 gtaaaatttg aactttaaga ctccaaccgc tcagaaacca tgaatcttga tatgatcctt 240
 cttcacgata ccagcctgga ctaggaagggt agaaacattc ttcctctgat caccttgaag 300
 ttgaataacc tgtcctagtt ctgggtcctg aacaactggt ccattgcaac agaactcttt 360
 cttgacgtct ttaagtatct tgatatagct gaattccttt ttcaatccct gaacggttgt 420
 caggcttttc ctaccatttc gatgctgtac acgaatatgc acatacttct ttgac 475

<210> 29780
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g08d1

<400> 29780

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 aatcaaccca tccaattttg gccttcaagg atcaatttga agttatttga aggacccttt 120
 tgataaccca atgaaacgaa cattggggggg aaggggggga accgatttga tattgcatgt 180
 ctttttaggt acaaattcat gtttttgtaa attatggggc aacataatat tgttgcattc 240
 attttgaaag acccaaataag aaagataccc tacacaggag gttttgagaa cttgtgactt 300
 tgatgaaaat ggggcaaagc tcacattaac cgacatttcc tgaccaattc atataattat 360
 gggacaacca tggcccctga tgggaaccat tt 392

<210> 29781
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g09d1

<400> 29781

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 ttttaccgcc cccttgaaat gtgcacctaa ctaggcttta accttcttta caccgggctt 180
 ggtccccggg agtcatgagc tccaatttgc ttttgggggg aggggctctg gtgttcgggg 240
 aaaaaagagc tttaaaacct ttcccgctc ctgggaaggg ggggttctac ctctaaaaag 300
 gggagcccct aaatggcctg ggtccccctg gtgcccccat ttgttttgca taggcacacc 360
 tccctttttg tgag 374

<210> 29782
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g10d1

<400> 29782

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 caggacttct gctgatccca ttagccaaca aattctgaga tttttcttcc cagagggcca 120
 tccttcctt cacaacttga aatctgtcat tcagttcccc acgcatatca atcagcttct 180
 taactttctc atgtttccat ttattttctct ttgctgattt tgaagatttg gggttcagaat 240
 ctgatgtatt tacagaattg cattcttcag tgtcttcaga acagtcatcc ttcaatgggg 300
 atgactttct ctttcgtgga acataaccat tgtagttttt aattgacttc tcaactggag 360
 aggattcaac aaatgggtta aaataatcat ttggatcctc cgcacagac aagccatcct 420
 cagctccact tgagatagca ttgtctt 447

<210> 29783
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g11d1

<400> 29783

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 aaaaaaaccc cccaaagccc cacaaggggt ttttttttcc ccttggggga aaaaaaaccc 120
 ggggaaaaaa agttattttc aaaaaaaccc ttacctttac cccagggagg gcaaaaaatt 180
 ccaagggggg gggacccctt ggggcgggcc ccaacccttg ggaagcccat tgtgccccag 240
 gggggctttt ttgtgtttta aaaaaaaccc aaggagcccc ttgaaaaacc cc 292

<210> 29784
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g12d1

<400> 29784

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 ctttttcccc cttgcctttg ggtcggcatg gtcacttttc ttcttacatt tttccaagct 120
 ttcattgctg cctaacaat ctaaaaaaaaa aaattaaaac acctcttagg tttccctttaa 180

aacaatattt ttttaattaaa taattttacaa atgcccaccc tgcttgcttt tttttggccg 240

aaaaaaattt gggtggggaa ttttcctcaa aacatcctcc aagaacaggg ttccag 296

<210> 29785

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026h01d1

<400> 29785

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cagcataaac acataaccac aataaacatt cagaatgctt acactgtctg aggaaatata 120

cagcatccca aatgggtgaag atcatgataa cgcctacaac aagtctgaac attccacatg 180

aacagctggt gctcagaagt tattcactga tttaccacg acattcaaaa cccccaacac 240

actgtaattc ttttaactgtc acccaatgaa agcataacag gtctcttata caactcatca 300

gtaagcttgc aaagtcaaac tgaagaccat gagcgaaaca ctcgatata ttaatcttga 360

actgattgga tcacatttct caacaacatc tgcaatatct tgg 403

<210> 29786

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026h05d1

<400> 29786

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aacattgttt tttgtttcat catataacat atatatgttc tgcaagaaca catacaagta 120

cacacaaaaa aggggggaat tcatacaaaa atactgaaaa gcctaacaca gaattgagca 180

agaggggaagg aaccatagag aatatttttag caatcagatc ataagaagcc agtagaagcg 240

caaaagtccc ttgccaagag tggtggaacc cttttaagtt aagcaggtgc cttctttccc 300

ttgagtggct tcaccacttc ccatgtgaag tcagggtcag ctctgtcaaa gcgtacatat 360

gcagtagtgt ttaagaacct gccatttaca ccccttttga gatcaagggt gatggagatc 420

atgccaggcc tgaagccaaa actctgcttt acaatgctga ggatttcctt gttagggatc 480

tt

482

<210> 29787
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h08d1

<400> 29787

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 aaccaattcg tagcttctga tgttctaaac atttaacaac ggagaaactt aggaaaattt 120
 tacgggtata taatcaaact aaacacccaa atttagggca catcagtaac attccgctcc 180
 ccagctatag tgtagttcta aattccacga agtgTTTTga ttcccatata gtcactcaag 240
 cagttgagca tcttgattcc ctaccaattg atacagataa tctttatagg aaactttcga 300
 tgTTaagttc aacaaaggag cagggatcag gaatgtcaaa gttgtTTaat acctctggat 360
 gaacaatgcc aaaagtGCCa atatgttttc ctttgtaaTt gattctagct tgtctac 417

<210> 29788
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h09d1

<400> 29788

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 aatgaaatcc tcctacttta gtattcctaa ttacaatcca aaccatatag gcttaattaa 180
 acatataatt aatagagtat caaggtccat ctcgatgtaa aagttggcag acagaaagca 240
 gggagaagag agatagagag tgatgagatt cacctatgtc ctaaccatgg ttggtgagta 300
 agtgaagtac ccaagggAAC caaaatatct cccagggTtc catgcaagtg ttttgagttc 360
 cacatccatt gacgtagtcc tcaagatgat gatgaaatgt actacttatg ctaagcggga 420
 aattaaaaca ctatccctcc taaagattag tggattgggc ttaaactccc ata 473

<210> 29789
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h11d1

<400> 29789

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 agagaagcaa aagttaaaac aaaaaaaacc ctacaatattc atataaaciaa tccatctaatt 120
 gttggctccc cgtagtagga tccatgccac atgatcgctg cgttcttggt ctgtgtactt 180
 ccccttcatg agaagaattt cagtaattcc ttatatactt ttgcagcata ttcaacaaga 240
 aagtaactct ttagagtcac tgactctgat tatgcaaacac cttaaagaat gaccaccctt 300
 tcttttttat actaacaagc tgtgattagc cagaactatg ttgaaaacac tataatacac 360
 gttgatatga aggcacagaa gctgaaatag ccgaatgaag tgccaaaccc ttctaggagt 420
 tgggaacaat gggtgccaca tatgcaaatg ccatgatgag 460

<210> 29790
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a01d1

<400> 29790

gagtaaacag acacacttga gcattaatta tgtaaatcat actttgcgcc atgtcttgcg 60
 aggtaaaaca aagtacaaat tccagaatag aggcaagtac aacttagcaa agcctattga 120
 taaaaagaac tacgactgta taagcaaaac tgttatagga acccaaattc aagagggaaa 180
 gtcaatcaca caatttggta gctatccgtt atcagctgtg ttctctgagc aaatttggga 240
 ggattaccac cctttaatgg tatgatgttg gtaaccttca agtcactaaa cgtgtcagtt 300
 gccataaagc agactgaaat gggaaagaat gttgatgaat ctgctagtgg aacaacaaac 360
 tgcattgacc cactgcggtt ggaattatca atcagaagga cagaccactc caaatggaa 420
 ttgctagagt catacctgca ttgcccatac atctgcctaa cagatggtgc t 471

<210> 29791
 <211> 584

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a06d1

<400> 29791

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 atactcattt atgccaacta ttatgggaaa gtgaaaaatg gcaaccaaga aaattgttcc 180
 aaaaaacaat tgccagtagt aataaaattg aaccaaactg aataatgcct caaaatcctt 240
 gagatgaaat gtctctctta tgccacagct ggcatgtcct tgagccatgg atccaatggc 300
 ttgccaattg agtacacaat gaaaccaatc tcacgtagct tctccacatt cacaatgttc 360
 cttccatcaa aaacaaatgc tggttttctc atgttgtcat acaccttctg ataatacaaga 420
 ctcttgaact catccactc agttagaatg caaacacat ctgcatcctt tgttgccctca 480
 taagcatccc aaaccacact aactttcttc tcagggtgtag gactagttgg ctgcaagtga 540
 ataggggtgt ccccatcaaa ctgggttcac cataaatccc tctg 584

<210> 29792
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a08d1

<400> 29792

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 gaggaacca cagtggcgca ttagaaacca tgaccataga atttatgaga gaaatattat 180
 gggcacctg cctctccaac aatccccaaa acgttgctta ggcttcagca aaccaagct 240
 cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcatcttcg tccgatgcat 300
 atttctcaac aagagggcgg aacacagggt cagacaaaag tgccttgta gaaggtagct 360
 gaaggaggcc ttctttctca cactcaaca actccttgaa gtatgagttg tcgaaaataa 420
 gaggattaga ggtccaggga cctcgaatc cagaacgctc cttgtgcgca gctccaatag 480
 tgtgaccccc agacagagca acgatatctc ggtaactaag cccca 525

<210> 29793
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027a09d1

<400> 29793

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 agaaggatat gatatgtatc catcttcaat attattacct tgaagcgttt cttgcactgc 180
 gtgtactcct cttgattgac tcaattctct gaagccttat ttgctctcta aacttagcaa 240
 tgaactcatc agccttctta tccacatctg gtccttcac accatctgtt tttgaacttt 300
 ctccaccaat aacagggtgga ctctttccac tgcattggt cttagcaacg gttcttcttc 360
 cttcaacgtc ttggctctcg atttctgtgt catcgctgc atcatcatcg tcagattcca 420
 caagaaggct ttctttctca gctggctgtg acacaagagg cacgcttgca tgccttatga 480
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<210> 29794
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027a11d1

<400> 29794

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 gtgcaccaag agtgctatat atgttatgag cactctccag ttttatagaa ttaagtggct 180
 gagctgatca ctggcatcat attttttgtg ccctgctgaa ttatgctaaa tatttatgat 240
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 ttctgagaga ctctatgcc atccttctct tctaatac tctcaggtta tctgaagtta 360
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ctgaccctat gtggttcttg gcatgttgag ccaccaactt catcattgtg ctgttcattc 480
 tgcaataccc tggatccttg aacgcctnca ccagtcacaac agtggttgca accacataag 540
 ttccacgaca catgttgtat atataattgg tgcagtttca aactacaact tccctaatt 598

<210> 29795
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400027b01d1
 <400> 29795

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 gacaaactca tgtaaccctg ccaataaaaat aaaccctgat ccctaaactc cagcaccagc 120
 aggagcttgc tcaacttaac acacaactcc tagaatttgc catgtcacca cgggggaagc 180
 acgctgatgg ggagccaagt ggtggggtca cacgtgggga taccctccat aatacaacca 240
 aagacttaac cctcatataa taataatata ttaataataa agtgaactaa agaaataaat 300
 taacaaaaag cttttcaaca tgacatgcaa aatgggagac ctaatgatcc ccacaactag 360
 gaccattttt aaactt 376

<210> 29796
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400027b03d1
 <400> 29796

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 ccaaaaggaa tatataagaa aattgaccac ccgggagaga tggtaaacat catcgtggtt 120
 gtcgtcgtta tcaacctcct ctttacaagg aaaattttcg ctgcaggctg agcctgcagc 180
 gagtgtttta aaactacatg agacctggag ccctattgct g 221

<210> 29797
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027b04d1

<400> 29797

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 tatttggaag aattatgtgc cttatgcttc atgagggttaa aaaaacattt tggttgaaag 180
 cttgcaaagt gctcacaaaa atgggaaaga aagaaaacat tatgaatggc taagttttct 240
 cagttttcat cgtccttcac aaagatcttc agagaaaacc acagtcctag aaatgttgtc 300
 attgtcaaag gcacttagac cagagtaagg acctgaagag aacattgaag atgttccatc 360
 aaattcaaaa gtgctagagg actgtcgtag gttgggtcgt gcattggatg aggctaacac 420
 agaatcttgg tattctgtga cgcgctgcac cattttaagt gactgtacca cttnacccat 480
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 aaaatctttc ttggatact 559

<210> 29798
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b07d1

<400> 29798

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 gaggaaccca cagtggcgca ttagaaacca tgaccataga atttatgaga gaaatattat 180
 gggcaccgtg cctctccaac aatccccaaa acgttgctta ggcttcagca aaccaagct 240
 cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcattcttcg tccgatgcat 300
 atttctcaac aagagggcgg atcacagggt cagacaaaag tgccttgta gaaggtagct 360
 gaaggaggcc ttcttttctca cactcaaca actccttgaa gtatgagttg tcgaaaataa 420
 gaggattaga ggtccaggga ccctcgaatc cagaacgctc cttgtgcgca gctccaatag 480
 tgtgaccccc agacagagca acgatatctc ggtaactaag ccccatagct ttgccatata 540

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583

<210> 29799
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b08d1

<400> 29799

agtaagaaaa ttttattcaa tatactagaa atcttttaaat gttcctcctc tctctttcaa 60
 atcccttcaa tattagagaa gtagaattta gatgaagagc aattatgctc tccttcattc 120
 ccctttcttc ctaaaagttg aaacaaacaa tcaaagttta taaaatttct ccattcctca 180
 tttgcttcta accaaacact gttaaaaaaa aaagtcttat tttcttatga tttgctaaag 240
 gaagggaata caggcgattg gcgagcaaac aaccttttga agacacttat attacagaca 300
 caaaagacca ggcaacaaca tataagattc caatgcttcc caaaaaaaaa aagaaaaaca 360
 taaactaccg attataaaaa tgtgataaga cacctcacta ggtaaaaagc actagttggt 420
 cctctaataca actaatgaca tctaaccttt tgaagcgaca gtggaaatat taaatatgat 480
 aatc 484

<210> 29800
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b10d1

<400> 29800

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 caatttatcc ttgaaggagg gtttttaacc agtcacaaca gaaaattcta aacacaacag 120
 gcacaattaa gcgttcaaca caaccaacca aaaagaaccc aatttcaatt tcaaagtgtc 180
 aatctgaaac agcttgctat aggcaaactt cttctatggc ctttcgggtc atatgacatc 240
 ttcatgcata gtttaaacgg aatatgtcat tcaacacata atagcttccc tgaggtggtg 300
 gtatcaaagt gaacatctgg ctgaacttga aagtgtgctg ttccgccggcg agctgaaggt 360
 ttccgctgac gaagacgagc atgccggcgt tgacgccgga gggctggcag tctacggtgg 420

agattgagtg gtggcactgc tgaaaagga gggaggtgag cttggcaacg atgttggaag 480
cgcttggat 490

<210> 29801
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c04d1

<400> 29801

gaattgcatt tactgatctt tgttttttct ttatataccta ttctgtttcc aacaaggaat 60
aacacacaca ggcagaacga ggggggaaaaa cctgggacga catttaagac ggcacctgaa 120
aatttgata tccacaccaa aagtttttaa aaaacggcca actaaccact ataggatcga 180
aacatggggg ccctagcctt aaaccggggg gccaaagggt ccagaaattc acccaacacc 240
caggggaaga aactctaaac caaacaggtg acgatcttac ggggatgttc ccctgaagcc 300
cttttttaga tatagaaagg ctttgtgcaa aaaccggggg cccttgtgtt ctgggccaac 360
tttttttagc ccccaaaaat tcggtgggga ggccccctt t 401

<210> 29802
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c05d1

<400> 29802

gatgaagctt ctgccttggt atatacaata tgcgactatt agcagtttca agaattctta 60
cacaatataa ggctgtacca tgccagccag ccagctcaga cctgatcata gatcaaaact 120
taacagtcatt aaagacttaa tcatcatatt cacacgtatt tttcaaaact aagaacatat 180
tcttcaactg gatggaccaa tttatcaagg ggaaaaaag gcttaaagct tacatgtgtt 240
ttactgattt aacatcagca taaacgccat tgtgcacaag cttaagtgtg gtatactata 300
tgttatgtac tactatatct ggtgcttact acctcgcggt agcagcaagt ttttcatttc 360
tttgtaacca tggaactctt ccaatgcac agctgtagtt ttcctagtgg ctatgatccc 420
agaagacatt atgctcacag gccttgatgg ctcaaggatc tgattgggcc ctgagtgtta 480

tggttcgagg tt

492

<210> 29803
<211> 593
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c06d1

<400> 29803

caatgtagta tagttttgtg ttccttttga taattcatgt tcgaagtta gtttacaaca 60
ttataaatta aacataacga tagaagaccc tccaaatggc atttctttct accgtctgtc 120
ttcagaattg agaaccctaaa taaaatgagt ttgcccacta attcttcaca aagatggcac 180
gagcagaccc ccattttctc aaacattagc aacaattaat taaacgatgc atcaccaaaa 240
caccgaagag acaagaccga aaatattggt aatagaaggg aacagatata tagaaacttc 300
tgtgctatac atagcacata tatttgataa caatcatcat tcaaaaacca cacatgtccg 360
acagaagacg aaaaagtaga catcaaacac acgatatttc agacactcta ataatcatca 420
tctccttcac catcatcatc tccatcacca gactcggcac caacctctc ataatccttc 480
tcaagagcag caaggtcctc acgagcctct gagaactcac cctcttgcac accttcaccc 540
acataccagt gcacgaaggc cctcttcgca tacatgacgg gtcaactatg atc 593

<210> 29804
<211> 458
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c08d1

<400> 29804

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aaccattgat tgattataaa atatataaat gtccaagtcc aataatttct ccattgtttg 180
gttttcaaat cacattgacc tatgtgaaac agcttttagaa ttcacaagca taatcagggc 240
taaactatct cctattcggc cttgcaggga ctaaatacaa gtatattggt ttttaattctt 300
aatgagctta aatatcttct aagctctagg gatcagaagt gaatgttatc atgagtcac 360

gaatagaaga aatcagactt agcctaatat tcagactccc aaacattttg cccaacggaa 420
 acacctagca attttctttg gcaaagaata tgcggatt 458

<210> 29805
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027c10d1

<400> 29805

cagcatcttc acgtttccga gcttcctccg cctcaacgcaa tttttgttgt ctctcttctt 60
 ctaacttgag ataatacttc aacttcctca ttttttccct ctctgtctc ctggactgta 120
 aaatcctaga gattcgctct tcacgttctc ttctcaatct gttaaactct gcttggcgggt 180
 gactaaccac ccttgcttga tatacttcct tattgcccac cattcgaaca agcctctcct 240
 tctccttgag atctccctca tgcctctgtt tgctcagttc aacctcttgc tgctgtcac 300
 gctcatgaag aagtctctct tccactagac gctgttgata cgcagcttca atcaggggag 360
 cagcctcttc tcttttggct ctttccaaat aatccatggt ttttgctaac ttctggagtt 420
 tcttttccat ttctgtctt tcccggagtt gctcgggtcaa agtcaattcc atcaagggtct 480
 gcttggttat tttgtcccc tctatgattg gcttctttcc cttcttttta atacgctttt 540
 cagcttcctg gagtaaagct tgtgcttctt cattttctct c 581

<210> 29806
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027d03d1

<400> 29806

gtgaaaaatg tccagcagga tggacagtct gacatatcca cctgaataat atatatcttt 60
 ccagcaaagc ctatcaatgt ttactaagta gacaccaaata tattctaccc attaattgta 120
 taatcccacc acaagataca tcattttcaa aacttccgcg acaaacggcg tcccctgaaa 180
 taactaatgg tttaacaacg catcaaactt taatatactc taccttacct ccaacttaaa 240
 aaagacaaat aattggagtg taatctaaag atcctggtga aagtctcacg aagggatctt 300

tgattctgct cagaatatcc tctattaatc taatgagagt gccggcattc tgatcgattt 360
gcagaaaacg tgatcttgga ttcttcggat tataacaaat tatactttct tgataatctg 420
aacaacgtct tcactttcaa gttcatgctc c 451

<210> 29807
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027d04d1

<400> 29807

cccaaaggaa acttcctagc cttcattcca ttttaagcca gtagctcaaa tcggccccaa 60
gtttcattac aattacaatt caagggttca atcactgaca attcctattt atcctctttt 120
taaacattct aattccactt tcccattact aaacattcat atttaaaggt cattaaaatc 180
ctctagaagt ccctacttta ttccgcaaga atgaaagatg gtaatataat acaaccctca 240
agcccattgt tttccaata gctagatccc cttgatactc cgaattctac ttataagata 300
ataattggaa ttatttgat aaaaattaaa aacttaattt ttattgaaat taaaaatcaa 360
atgaaaatca aaccaaattt gtcgcatcgg gtcacgggg actcaggtgc gagtcaccga 420
ctccggtttt ggtggcggg 439

<210> 29808
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027d06d1

<400> 29808

ggttgatgaac tttagatcaa aattacgaca gatcaagaga tttaatataa gatataatat 60
atatatatat atatatatat atatatatat atatataaag aggggaatca 120
ctgtacactt agttaccctt tcaacaatct gtggtaacac aaatcaacag cagctgcatt 180
atgcagcaga caaatataat ggacataagg aaggaaggag agaccctgac caatggaatg 240
gtactgacat ttacaagatt caaactttga ccacatcaat gaaatgggtc ccatgcctca 300
cgcatTTTTcg tcgcaaatgt cagattggga cccactgggg tgtaactctg gaggggacca 360

aatggtggaa tgcttgagta tgtgcaagct aaattgccct cttttctcac tagtgtcaat 300
 ctgtgactgg ccagggggag gcaagagctc aaagttttgg accaaacgtc ccaaagtgat 360
 gccaagaatt ggcaatgcaa gagtgattcc agggcagctt cttctgccaa caccaaaggg 420
 aaggtacctt aagtcattgc cattggcttc aacatgagac tcctcctcga agaacctctc 480
 aggccggaac 490

<210> 29811
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027d11d1

<400> 29811

aatcccca caagattaaa cttgccgtaa aaaaaaggaa aagaacctat attaactcta 60
 actatgaatg agtaatccat actttgggat cccaatctc aaggaccatg ggttccatgt 120
 ttatccattc cttttttgac cttccgactt caacttttaa caacttccca cggcctttta 180
 gattcctacc attcccaccc tgggtgactt taaaacaaag agacgcgagc tttatcccag 240
 aattttaaact taaacttttg cttccccctg accaaacagg atccaaagac aaacgacctt 300
 tgtgggccaa atttttacgg ggtttggcca acttaaaaaa atgtgccgag aaagctcttg 360
 taaaagaacc ctaaattgtc cggctcctaaa ttcgctagag cataactcta aagaggtttt 420
 gggattaaaa gaag 434

<210> 29812
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e01d1

<400> 29812

atcatataaa gtttggttatt caatcaggcg aggaaaacag attctccatg caatgccttg 60
 ttctccatga ttgtttgccca ttagtcattg ttcacaactt tttgttctct aatgttcagt 120
 gacagtcatt gagcaatcac aaaagatggc acgtgtttca aaccaaaaca gtaaaaaaaaa 180
 ttaaaaactag gccatggtgg taaaaataga tgagcagaaa tataaaagtt ttatcattaa 240

caagtactaa gcacaatcat agcattcaag tatatggtaa agaatgggat catctaggcc 300
aattcccaaa ccacaggttg gattacgtga cactgggtcca ctatttagtg aaatagcata 360
tgccccttac atgcaaaagg taagtgtgga ccaagcagca ccacctgggt aggaagagca 420
gcaaccactt ttttgtccaa caggttgccc tctgatctgc act 463

<210> 29813
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027e02d1

<400> 29813

aacagaaaat ggaacttgat tcaaatacga ccgtacatga tatcactatg tggtttgtaa 60
gtgcaggatg agctgtactc aaactccgta cagggtatct caaaagaaaa ggaaaatgaa 120
taatgattag ccaaagggag tagtagtagt ggtgacatta ggcagccagg cacaggcaaa 180
agcaataata ataagcagcc aaagggtaaa taaagtaaac tagaagttgg aagggttgga 240
attagagcat tgctgccact caatgaagct ttggagggta gcaacatcag ccctatagt 300
cttctgtgtg aattcaaaca aattggacca tgtgaaatca ggggtacttcc tttcttcatt 360
tctgcataac aaattgtctg ggggcctcac tattttgtct tctcttgac acacaaaata 420
aacaaggagc cttctctgcc tgtatgtgtt caccaatgcc ctgtgtagac aactcttgta 480
tctgccattt gacaatgcca tgaaagtatc acctatgttt atgac 525

<210> 29814
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027e03d1

<400> 29814

gacaaaaaa actaccaatg aactctgaag aaaaatttga cagaccattt caaaaatgag 60
aagagtatga tagtatcaac acccaaaagt ggggtgagtg aacaaaaata aaactaacc 120
cccaccaaag tagtagcatg ttcttagtac atatggcaca tgataaagat atcaaatatt 180
acagccttgc cagcagccca gcacaagtgc aagaagatgc tctgcggtg tttatacggt 240

gtaccgaccc tttgttgctc ctttgcttct agaatcatca tgaaagttgt atgttatctt 300
 gtcgttaaca tcaatgattt ccttccactt ccttccaatg ctcactctggg cagcttcatt 360
 tgctgctgtc tttgtccaca acgaaagttt gtcttgccac tggcgcacac tagcaaccac 420
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 ccacatgtta tcaaggttag c 501

<210> 29815
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e05d1

<400> 29815

caaaaaaaaa aagtgggggg aagcgcaaaa gcattttcta tacgaaagca agttgctttt 60
 ctcacatggc cctaacagct tggaatcttg gttccttggg aaggaacttc tgctcagcat 120
 agacagacat gtagtcacca aaaacaaact taggataagt ttcacttact tgttggtctt 180
 ctttctccac aagttgcggt gcaggacata tgggtggcctt gaatgaagga ttatagaagg 240
 aggcaattga tcttctgttc ccatctggtg tggccagaac cctgtgccag caactcttgt 300
 atctaccatt gctcaagacc tcaatctgat caccagtgtt gatgacaatg gcatttggca 360
 aaggctgcac atcaatccat tgcccttctt tcagcatctg aaggccacca accttgtcat 420
 cttggaagag taggattacg cctcctgcat cgggtgtgagc tcgcagaccc ttcacgagct 480
 ctggatgggg acatggaggg tagtggctca ccttggtycc aaagaaggca ttttctccat 540
 ctgcaccatt cagtgccttc tcgatgtatc 570

<210> 29816
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e06d1

<400> 29816

gacaccaagg gtgatattct aacagaaggt aagttgagtt agcaaagatt ggcacagaaa 60
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gtagtttttt ttctagataa gacattatga acatgaacac tcaggtagtg ggaaaactac 180
agccatgcgg gattcttcaa agcagtgaca acagctttta cttgaaggta gcttctaagg 240
ctgtagattc cccttactct cccttgacca ctcatcttat atccaccaa aggtattgct 300
gcatcaaaga catcatagca gttgatccat accgttccag cttgcaatgc tcgcatcaag 360
gtgttggcag tgtccatatt tttagtaaaa actccagcag ccaggccata ggaagttgca 420
ttggctcttc ttatcacttc ctctagatcc ttgaatttca agatagattg tactggacca 480
aatatctcat cttttgctat caacatgttg tcttgaacat ttgagaaaac agtggggttg 540
atgt 544

<210> 29817
<211> 578
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400027e07d1
<400> 29817

gatgaggtaa aacttttttt tttgtagtat ccaataaatt tcagcaaata acaatgttat 60
agtgtatgct gctagcattt atcataaata aagaatctta gtttacta gaatccatac 120
atttcagcaa gttcaaacia ctttgaaacc agcagttgtc acatctttgc ttctgacata 180
ctgctcactc aagtcttggt tattgtgtgt gcttgtgtcg ttgagaaaac tagaaaacca 240
ttgaacagaa cgtttgggaa tccgttcgag agtgtgtcta tccacataat aaagtcata 300
tctcacgcca tagccgcttg tccattcaaa gttgtccatc aatgaccata tcatatatcc 360
tcttacatcc gcgcctttcc ttatggctct aagcagagct gcaaggtagg ctttatgata 420
atctattcgt ttgaaatctt gtagtagatc atccattgtc acatttggtt tgtgcggtga 480
cgaatatcca ttttctgtaa tatacatggg catgttatgg tatcttatct ggatgtagtc 540
tacaatcttc ttaagcccct ggaaccacaa aaatctgg 578

<210> 29818
<211> 548
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400027e08d1

<400> 29818

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 atttcagcaa gttcaaacaa ctttgaaacc agcagttgtc acatctttgc ttctgacata 180
 ctgctcactc aagtcttggt tattgctgtg gcttgtgtcg ttgagaaaac tagaaaacca 240
 ttgaacagaa cgtttgggaa tccgttcgag agtgtgtcta tccacataat aaagtccata 300
 tctcacgcca tagccgcttg tccattcaaa gttgtccatc aatgaccata tcatatatcc 360
 tcttacatcc gcgcctttcc ttatggctct aagcagagct gcaaggtagg ctttatgata 420
 atctattcgt ttgaactctt gtagtagatc atccattgtc acatttggtt tgtgcggtga 480
 cgaatatcca ttttctggaa tatacatggg catgttatgg tatcttatct tgatgtagtc 540
 tacaatct 548

<210> 29819

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027e09d1

<400> 29819

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 gtgatctcat ggaggttaca aatgaaaagt aatgccacaa aaaaatgtga ttttatcaaa 120
 cttttcaagc aaaatgcaaa agccttctta caaacctaatt ttgcccccca attttttcaa 180
 ataaaatgaa agaaaaacag accgattaat taaaaggatg taaggaaagg agattgccta 240
 atccctgtgt taaataaaaa cgcatcttgc aaaacaactt taaggctcaa acatttgata 300
 gatgcagccc aggcaaaatt ctcaagggtt atccctgtac aaaagatttg accagtgtcc 360
 cccaaaacag gttacagct aagtatcaca gcttatctatg atctttatgt agcagagaac 420
 cttcagacat cagacctttt gtttaa 446

<210> 29820

<211> 499

<212> DNA

<213> Glycine max

00220"ETT550

<223> Clone ID: jC-gmst02400027e11d1

<400> 29820

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caaagcatca agtacatcct cagaaccatc tttcccggct gctatatgga gtggtgtcaa 180
accagcagta ccatcaacat caggtctaaa caagaaggte tgattctctc catcaaccag 240
tgccttctct tcaggtccta gtttatcaga aatattctca ggaacatata tcaaaagcaa 300
ctccactaaa tgcttgctat ttctccttac agctttgtga aggagacca tctctgaaag 360
cgcaagatac aaggaaggat gatctcctgt atttacagtt ccatcaaaca gtaggttcaa 420
cagttttctc actgctgcac accaatcatg atccatggaa aactcaataa gccacttgaa 480
ccgtttcaat ggaaagaga 499

<210> 29821

<211> 508

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400027f01d1

<400> 29821

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aagtattaat ctgaaataaa taagaattgc tgcttctaatt acttataata attactacaa 120
attctaataa ttactacaaa agggatatat gttagataaa atagattaat taatctattt 180
cacaaaaaaa taatgtatcc atagcacagt ttctgtcttat aatacctcgg gtgctaataga 240
aactatctta gtgaaattta actgtctcaa ttcccgggcyg attgcacaaa agattcgagt 300
tccttttggg tttccttctt gatcaatgac aactgcagca ttatcatcat actgaattat 360
tataccgttg ctacgtttga gttctttaca agtacgtaca attacagctc tgatcacttc 420
tgatctttct aagttogcat ttgggactgc ttgtttgtta cagcaacaac aatgtgacca 480
atataagcat atcngccatt actagctc 508

<210> 29822

<211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f02d1

<400> 29822

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 tagacatgga cagtaagaac aacacaataa tggtactaga agtttagcac ttagaaaaac 120
 tgtaatttgc cctttattta ttagtagcac agtactgaaa gtcacagcag agtggttaagg 180
 gattttgatc ttgggttgat gatataatga gttcacttat gagattgagg gtcacaaacc 240
 ccaggctctt tgaataagtg agataatctg gaggccaaac tctgttttgc tgcaggggaa 300
 acgccattct tacctatcat tgactccaac acagcctgtg agagtagttt attctctata 360
 acagcactcg taacttctgg aatggtttca tcactagaga aacttatcgt taatgatcca 420
 ttgggtgaga cagtgaaaag gatagaggag cctggtgga atgttaggtc tttgaaaac 479

<210> 29823
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f05d1

<400> 29823

gacacctcgg gtgatattct aacagagggt tagttgagtt agcatagatc ggcacagaaa 60
 agcttttagct gtgtaataac tttggctaata ccaatgcctt aggaatgttc catgaaagat 120
 gtcgttcctt gtctagacta gacattgtga acatgaacac tcaggttgtg ggaaaactac 180
 agccatgcgg gattcttcaa agcagtgaca acagctttaa cttgaaggta gcttctaagg 240
 ctgtctattc cccttactct cccttgacca ctcatcttat atccaccaa aggtattgct 300
 gcattaaaga catcatagca gttgatccat accgttccag cttgcattgc tcgcatcaag 360
 gtgttggtcg tgtccatatt tttagtaaaa acttcagcag tcatgccata cgaagttgca 420
 ttggctctcc gtatcacttt ctctagatcc ttgaatctca agatagattg ctctggtcca 480
 aatgtctcat gttttgctat caacatgttg tgctgaacat t 521

<210> 29824

<211> 575
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f06d1

<400> 29824

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 tacacactaa cacacatggg atatgatata aggtcataat tacctaccta ctcatattgca 120
 gaaactgaag agaaagcctg attctagtca tctgcaaatt gagtggtatg gacaacacaa 180
 gttgggtatgt agcttctcaa aggaagaaca tctttgttta ttaatacatt ctaccgaaac 240
 aaagaagaag aactacaata gaatcaatac atacatagcc ataaggaccc tttaatgaga 300
 gagagtccat tgcctttttg tgacttgccg gtttgctaag atgtggccat agcttctctg 360
 cttcatgcca ctacagagaat tatgttcttc catgtatacc cttttgtggg gattgattag 420
 agaaaccaat ggctaaagca taagcaaact gtatgaggtg gaatgtgaag ggtgagaacc 480
 ctctacacaa aatccttcag cttcttaaga accatggatg gattttgcca acaagctcat 540
 gctatccaaa tgatgataga tggtttgacg atttt 575

<210> 29825
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f07d1

<400> 29825

ccaaaggaaa acagaccac aacatagtta tttttcccc ttctttattt catgaatgtt 60
 ttaataactt ggggccacat attatacaag atgaaacttg accagaaaca aggacagcca 120
 atcacaatca cgtaagtctc ttatcttcta tcaagacatc gttcaagaat taattattaa 180
 attaaaaaga gaccagaaac tttacaccg gggaattagt aggctcccat tactaattcc 240
 acaatacttc ccaaggaaat tcatatgcca tatcaacaat .ctcacaaatg atgctactac 300
 ttgtcagtaa gaatgagttt gctctagcag ccatgtcccc tttgaattta gaccgaatcc 360
 cacttaataa caaagaggag ttcaatcaca gaatagcaca actcatcaca agagactcca 420
 tcaaattctc ttaaataaca atttattgag atttgaatgc atcatcgttt tagactagaa 480

tcatt

485

<210> 29826
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f08d1

<400> 29826

aatacaaaca caattcttat tcacaacaga gtagcacgat tcctttcacc aattatcaac 60
 aatacactga aaaatctact cactcatttt cgtgaatgga ttgtgaggga agaaaaagtc 120
 gtgttttatct tctctaacac aattactttg atgggggtgt agcaaacttc caagtatatt 180
 gcgataaaga accaaggcct ggtgcttccc cagcaacttc ataaacagga actgcatcag 240
 aaatttcact caactctgca tttgtaagtt tcacagccac agatccaacg ttgttttcaa 300
 ggttcttgat tttagtagtc ccagggatag ggactatgtc atttcctga tggagaaacc 360
 atgctaaggc taactgagaa ggagtgcatt aatgtttaga agccaaatca gcaattcgat 420
 tatagaaaag cttgttcttt tccaaatttt ctccactgaa cctggcatct tcagccagtg 480
 cgctctgact aggccaagtc tctaccgctg ccttcctgc gaaaaagcca tgac 534

<210> 29827
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f10d1

<400> 29827

aatatgaatg gaaacaataa ttacttggct acaaattggt cttaaacatt gccatcaaaa 60
 tgatgagatc aaaacttaaa agacaattga gacttcagag aaaagtatct atcatactca 120
 accaccaact agcaggaaga aaatggggaa agaagataga ttgggttaaa atatgattct 180
 gttataatat ggtagagatt aaaatatgat tctgttcacc atattataac agaatcatat 240
 attatcatat ctcccaaact ggtatcatat ctcaacaaat tgtaacagta cttaggcaat 300
 taaatgtgtc ggaatacata atcacattca cacaggaaat tttccaaatt gtgctctatt 360
 tttataataa tgggtgttcaa caaatagtgg cagagaataa aaggctataa acctttaaaa 420

gatcgatttc ttatctgcct gattccttaa gttcttcgaa cgtatcaaag actatcagga 480
 aaaagttggg taagtagaaa tttaaaaa 508

<210> 29828
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f11d1

<400> 29828

aaaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 acaaaaaaaaa agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aagaaaaaaaa aggaacaaaa agatgaagga acaaaaaaaaa 180
 agagaaacaa aaacaaaaaaaa aaaaaaaaaa aaaaggaaag gaaaaaagga aaaaaaaaaa 240
 aaaaaaaaaa aaaaaataa gtaaacaac agctcagtaa attgacttac ggacaaaagc 300
 accaaaggta aaaaatgtta aaacagaag catttagaaa aaaaattaga agaaaaaaaaac 360
 agaagcacta agacacaaga aattaaaaga aaaccaccaa gagga 405

<210> 29829
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g01d1

<400> 29829

cttggcaaag catgaaatta aaacaacca aaatttcccg attaaaatca ggattggggg 60
 acagttttcc catcagagaa atgggaagag ttttaccat gcaatatttc cagctccaac 120
 tttccattat agacccttga cattgaaatg aaaaaataaa ttttgccact tgaagtgaga 180
 caacaaacaa tacccttttc caagggtcat tacattaatc actagtcatt aatcttgggt 240
 aatttcctcg gaaggccttt gtgcattaca cgtaccagta aggaaaatta tttgcccac 300
 acaagaaaag aattttactc ctaccctttg atttgggacc ctactac 347

<210> 29830
 <211> 362
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g02d1

<400> 29830

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cactccaatg gctgcatttc ttattccata ttttacatcc acaaaccatg ctgtgataca 60
tacacatact acaagcacat gttatgttga tttatctatc aactacacca cagtaacaaa 120
ccacaaaagt acaaaaccca gagattaaaa ttgatattat actgagaatg taaatatatt 180
gatattacac ataagattgg gatatctcgg tcgggatttt tggcagatac ttacaactta 240
gtaagtaaag gttctttttg tagatcaaca aactgactgc aatcaattcc cttatcagaa 300
aatgcctgta caagcttggg gaagagctta gcaagcataa ttttaaattcc tgttgaagtc 360
cc 362
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<210> 29831

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g03d1

<400> 29831

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ggacaaatga tatgcgttgt ataaaaaatc cctcagttct catttattac aacaaaccag 60
gtcaacaaat aaggattttt agcgagctaa agacaatgtt atactttggc aattaagctc 120
tctctacctt ggggtaaaac ctgatcaaat aaaagttaca tctaagacaa aaacagctac 180
agaaaactaa actataagaa tagcatgata atcatcatat ataagaggag gatgggggca 240
ttctctctga aagaccaaca acaaattcaa catccctaaa ggaagctcca gattgtgctt 300
tttcccttta agccactgca ggcatgttct tgagccatga atctagaggt ttgccaatgg 360
agtcaacaat gaaaccaatt tcctcagct tgttaacatt cagcagcttg cgggcatcga 420
aatgaatgc aggcttctgc atgctgtcat aaaccttttg gcaatcaagg ttcttaaact 480
cattccactc aggcataatg catatgccat gtgcatcctt g 521
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<210> 29832

<211> 557

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g05d1

<400> 29832

aagctcgaat ctacgtacgt tcctttatat atatatat atattcaaca aggacattta 60
 caatttaaaa attactgcaa acaatatatg atatactcta atgctgggca aatatattac 120
 atcataacct tggacctaaa gtaaaggaca ctgaatttcg aattctgata tattgctcat 180
 caactcctac tactaaatag gcctaagttc aaaatttagt gttgaaattt tctggtcatt 240
 ttcaggtgac taccaaagggt gtaggagctc ctgaaattct gaagtaagat tcacttgctt 300
 gtgcatgggg atatgttgca actgaacca aggatttatt agaattgcat atttgattga 360
 atcctgacca cttcatttgc atgaagctgc tcttcctcca cggacccacg tgcattttct 420
 tttccttcat tgatttcttt gcagcattgc acattactcg aacaatggca gttaagtact 480
 ccagttttcc aatataaaat tcgggcaaac aggacactag ttttccggta attttcaatt 540
 gcttttgcaa tctgaaa 557

<210> 29833

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g06d1

<400> 29833

gagcttaata tatttatgca attgcaaact gtcttcaaaa agttgaagat tcacaagagc 60
 attatttata gcatagtagc tcattacaac catttgacag atccgtttat taaagggaaa 120
 taatgacacg tatgtttaaa tccatatatc tgaagtacag tcaccaccag gatattctcat 180
 ctcatgggca agagaaggac catcaggctc agttccaaag tccacaaaga agttgggggtt 240
 gattttcagt ccacctttct cagtatcaac atcaatctgt attatgtggg agcctttctg 300
 gacaagctct ggataaaatt gtttgcctca agtactaaat agtgagttgg tagcatagag 360
 ccgcttccca tctaaactca attgaatcat ctgaggggcc cctctcaact tgtttcctg 420
 aatctctgga acttcagctt gccatgtttc accatcatca gttatagcta ctacagggct 480
 tcctttctgg ataagtccac caaccatac ttgtccagtc aggttaagat ttttaacg 538

<210> 29834

<211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g09d1

<400> 29834

gataacgatg cacactaggc ggtaggctct taccagagga aaaacctata gggtcagata 60
 ccaactgatc atattgcact gatggtgaat gatatatctt acagcacctc aatgggggca 120
 ctccgaattc aactataat aaactgaatt aagattaatc ttcggaacgg tgttgcgatg 180
 atatccaggc tcagactcaa ccatttaagc cacggatgct ttgcgggtcac tcaaatecat 240
 cacacgggaa ctgttaccgc attcgggtggc ataccaggaa acacgtttta caaagggtgc 300
 attcaaggaa attccggcac ttggcggttaa acctgctaga cctgttatga ccaacgtaat 360
 tgagagactc agcatcatct tacgtgggac ccacattacc cttcaatttg cctctgatt 420
 cctccttgat agcagacatg atatgctcat acgacgtgg cttatctagc ctaacagtgc 480
 ggtcaacatc tgacacatct acagtgggga c 511

<210> 29835
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g10d1

<400> 29835

attcagcaaa gatgtatatt gattccatgt ctatctggtc taactatgaa cgatcgtgta 60
 atcagtgaac aatttgttca gaaaacacta aaagttaaatt ggctgtatat tgattcctag 120
 gagctacttg gacaacagtc cacaggtata atatactcaa cgctatcgtg aggctgggtca 180
 aacataacat caaatggaa aagcttaaaa caaatgggt ctgtcacaaa gttggggagt 240
 aaaatttttt ccttctctgt tttaagatta aaaaaactt caccgggata aaatctagat 300
 gcttcagaga attgcttcag ttgaaaacgt actttcacct aactaccaa ccttgggctg 360
 cctgagaccc atcctccgtt attttgttgg cctgaatggg actgataaca ttgcaatgt 420
 ttctcttgca tgctgctagc ttgtttctca gtgcttgcca ttgggtgctga ccaaacacac 480
 gatcagtagg atgactaaca actactgatc gatgc 515

<210> 29836
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h01d1

<400> 29836

gcaagttgct tcctctgatt tgcacgcttc ttgatttcat ctataaatgg ggccaatgct 60
 tcaggaggca acatctcact caaatcaact tcacaaagct gaaaggttgt ggtaaatgga 120
 aaatgactaa gaaatcgata ccgcctcctg atggcttcag tctgagtaac tgtttccaac 180
 tgtagaatcc ttccacttat tctgtgagga agcatatcat agctcccata atggtgaagc 240
 aaacacttca tggtcagagg atgaagaatt agatgctgac catcagcagc ctggtagaaa 300
 ctgtatgaac tattttcctt cacatctcca ataacacctt ctgaatgcct ttgattatca 360
 tttttctcct catatgaaga agataaattc atttctgct ctattaattc t 411

<210> 29837
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h03d1

<400> 29837

acatacaact ctatttttat taaaattgaa ttgatgacta aattaaactt taactctttt 60
 taccatgctc tcttaccaga aaagcaaata caagatgtat ttaaaaacta tatatcaaac 120
 ttcaatgtgc gtggaacttc aacagtttgg gatactataa tggaggatcc agcctcagac 180
 agcaaaacct gattggttac cttccaggtt cactggtaca atatagtgac ttcttcttgg 240
 ctgatagcat tttttcaatc tcaacaattg caagtctgaa gcacatggat gccaaagtctg 300
 aagcgctcat gtgtgaagtg tcatttactg ccagaatttt cttgggacac cagtaaagtc 360
 tgaaccctct tcaactgata ttatgccctg tcaagctctt tccatagttc catcaccac 420
 atcatttcaa gttgataaac cccaccacac cctccttttg tttactgcat accttttgcc 480
 ataaagccca caccacactc ttttcatttt cggcctggcc cgtcacagtg tctttcttct 540
 tcaggtttct tccctccctc tc 562

<210> 29838
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h09d1

<400> 29838

gtggaagtaa atcacataag aaaaaagtca cttgcatata gaacgtttaa ttgtccacag 60
 ttttccacac gagtaataga gaaaagtaca gacacatatt tttttttgaa agaaaagtat 120
 tgattgcttt taaatgcatt agcaggtgcc actcaatgat gaccagtcac cactataggg 180
 tgtgcagaag aagcaacggt ggtccacgat tatgatgatc agaaatcact tgatccgacg 240
 gcagatagtg attccatcac caaccgggag catgcaaata cgcacccctgg ggtccacagc 300
 gagggctttg ttgagctcca gcacgaagtc cctgtagtac ctaacataact tcctaagagg 360
 agcatcaggg ggtgccacca cagatccgtt cataggggtgt tgctcgtacc gatcacgcgc 420
 ccaactttta caagctctat caacctcttg tggcagttga agtaagtgtc cttgtccgca 480
 tcaacaaaga tgaagtcata gctttcatgg ttctttctcat cgttatcatt tcatcaagaa 540
 ctggtagagc aggacct 557

<210> 29839
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h11d1

<400> 29839

acattgtgtt aagactaatg gggtaaggta aaaattccaa tggggaaagt acgatgccag 60
 gaagactaac gtctctcttg aactacttac gaaatcaaaa ctcatgccaa agaagcctta 120
 aacggacaat cttcaagcta aaacaaacca tgggggaatcg gcagcaccgt tcaaacca 178

<210> 29840
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029a09d1

<400> 29840

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aaacccaaat atggacatac accaatttta ttcataaggca atacccaaac atagatagga 60
atcattcata caactttttac aatagcaaag agtacatagc ttcagttggt tatttttattt 120
ttaattttcc tatactagta gtgcagccaa acaaagatat caactgcccc catatagata 180
agactagtga tggaagcgag ttctgttcat catcgtgatg aactcctccg cactaacctc 240
tcgatcatta tcttgggtctg ctctctcaac catctcctga atctctctgt cagtgaatt 300
ttgacctagc tcttttgcaa tgcgcttgat gtctaatacg gatattcttc catttttattc 360
atgatcaata atatggaaag ctttcatgag ctctcttta gtgtcccttt ctctatttt 420
ggctgtcatc atgtactcaa attcttgata atcaattgct ccacttccat ccttgtccac 480
atctgctatc atttgattga tttgctcttc tggcatctca aatccaaggg ccctcatagc 540
aacattcagc 550

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<210> 29841

<211> 310

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029a10d1

<400> 29841

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cccccaacc gtttggtaaa ttgggggaca ccaaaaaagg gctaaaaatg ggggtgggaaa 60
aataacaggg gaataaaaat ttcccccccc tttgggtttt aaccctgggg cccctttttt 120
taaatttcct tgggtatttt ttttttttca ccagaattt ctttttttta aaccctttt 180
ttattggggg tttctgggac ttgggaaagg gcttttcttt aggggaagggt ggaaaaaacg 240
ggggggctgt cttgggggta aaaaggggcc ctttgaacc ggctactttc cgtgggggaa 300
aggtaccct 310

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<210> 29842

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029a12d1

<400> 29842

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gggccatgaa aatgctcatg ttcttcttca tatatactat tattattatt attattaaat   60
ttctataaat ttgttcctca taaaatgcc acaatctctg cttagggttc gcggaaggtc   120
taatctaatt ccattaatta atgattcatg aatggaagtg gggaagtagc gctacgcaga   180
gatggttggc aatttaactt gttcgtcaaa aagagaaaca aacgaaagat acagggttat   240
taaaacaggg gaaagcctat atatgttttc cataaaagag ttgacattaa aggcgatgga   300
gaaaatctga gttggaatgg tttgggtctg gtagaagaag ctgctcttgt tcttcacttc   360
tactcttctt tgacaaaggt tccggcgagg aagagaccga agagtcattg gagctactat   420
cacagctaaa cgacacatcc atcacgccgt ttgggctttc aagaatcgac cctattccaa   480
ac                                                                           482

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<210>      29843
<211>      517
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400029b06d1

<400>      29843

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caacacaata gcttattcat tagttctcat ccattaattt ccattgaagt ccgaaaacag   60
aaaccaaaaa tacaggatga tgaaatctca aaaagcaaaa acaaattgga atgtagttta   120
agtacaaaca aacaaagtgg ggtggcggct acaaattgctt tgcaaatttt tcacacttag   180
aagcctgggg gctttagggc gatgaagctg atgcactgca cttggcgaac gttgtcgaat   240
ccgatgatac ggatgaagcc gttgggggtat gcagtcttag cctcttgaag ctcttcaac   300
acctgagaag catcagtgca accaaacata ggcagcttcc acatgggtcca gtagcgcca   360
tcgtagtatc ctggtgacct gttgtgctca cggtacacga aaccgtgctc caactcgaat   420
ttcaagcaag gaatccatcc cttcctaaga aggtattcta cctcctttgc caattgtgca   480
tcatcaaagt ctggcaggta ggaaagagtc tcaaact                               517

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<210>      29844
<211>      342
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400029b07d1

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<400> 29844

ggttaaaaac caagcttgga aaaaaaatcg ccctgaggaa agggacacca accgaacttg 60
 tggcttacca acgggccttt taattgaaac ccaaacctg ggcttgggaa cctttttggg 120
 ccaaacacga cccttaagga cgggacaggt accctaaagg gaatagggct ttgcatgcca 180
 aagggccaag tccaaggggt tgaaagccca aacggtaagt accgaattct ctaaacttaa 240
 gggtcacaaa agggctgcca cgggagcggg catcccga gcatggtgg accctcaaat 300
 gggcccaagt ggggaccac tcagctggct ttcaaggaaa cc 342

<210> 29845
 <211> 384
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029b10d1

<400> 29845

cataatacaa agcattatat gcttattaca gccaaagtta acagtgattt gcccataac 60
 agaacgcatg attgacctgc aatactggag atttcgtaat aaatagcata agaccacttt 120
 aacttatgcg taaggtcct tagacaacta acatatgcca ccaaacata tgaatattac 180
 agccaatggt aaatgacttg ccccataatt cacctatagt ttcagtcgac aggggtatac 240
 atgcagctct caggatactt cacacgagtc tgaggacgag ggagacgagt agccaagcct 300
 agctgatatg ccttggcagg tacacttgca gctatgtgag ctgaaatttt tctgatgatc 360
 gagaatggtg gataaatcaa gccc 384

<210> 29846
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029b11d1

<400> 29846

ggcaaacaag aataagacga attaattttt gtctttaagc aaaacatcaa tgaagtgtaa 60
 gcacaacatc ttcatttggt acacttttcc ttgctgtact gcacatctag tgctgtctac 120
 taggatatgc aatttcctat atcccggtgt tccacttttg ttcgttctaa ctctaaacaa 180

aagggttaatt gtgcactcca tatatactac aactccttaa aagctactac agactaaaat 240
 gatcaagctt ttgagtaagt aaataaagca accaaagaaa caaaattggt gcttcatatg 300
 atcatgtatt tacacaaacg ccccgaaaca aaactcaagt attatgcac aataatattc 360
 agcatttttaa cttccaaaaa aaaaaaacat gaggtactaa atttccaaaa ggcaaccaga 420
 ttgaacgtga ccagtgtact cctttgggct cacaagttaa gtccaagccc caacttttag 480
 atccaacaca aagcccacat g 501

<210> 29847
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c06d1

<400> 29847

cagcgttatc agtatctcct gtaggattat aagtatcgta cttcttaaaa aatttagatt 60
 tattagtcaa aattactaca cgtttggctt ttctagaacg aatttgataa ttctctgctt 120
 cattttttcc ctccagttgt tccaattcgt caataaattt gtatgaccat cgaggaactt 180
 ttttacggat ttcgtttatt ctaatacact ttgttctatt tccatttact attgtttttt 240
 cgttcaaadc agttctaatt gcatcaaata atatttttat tatttgtttt ttttcttctt 300
 cataatttat ttttacttgt tcatgttctg gaaataaaga aagtgttca aaactcaagc 360
 ttgatactaa tttttttgaa aatttactga ttagattgaa aaaaaaaat gtcagtacta 420
 aagattttct atcaaatata tttatttttt tctctaattc tggataatta ctattatttt 480
 ttttataagt attattagaa ataaggtagc atgaatttta tttatcaaat ggtatttttt 540
 tttcattttt tcata 555

<210> 29848
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c07d1

<400> 29848

gaaaattaag gacaccgttt ttacacaatg tcaactactt ttcttaaata acggaccttt 60

tttaatgtac ctgagcaata aaagaaactt gaatacacat aagcatcgga tactcataaa 120
 aacaaagata tggcttcaag ttttccacca tacttgacag tgctttatga aaagtaccta 180
 acagccacct attgtctact tctattcaca ttaacgagaa gaaacaatac aatatcacat 240
 tcaaccatac aaaaatttag aagcttaaaa atttagacat ttgaccttca tgatacaaat 300
 acaggccaag accaaaccgg gcacaagatt tgcagaaagc aattttctca gcagcagaaa 360
 ctggatcgcc aatggagcca tcaactgggtg atatcgctcc agttgactca cgatatgcct 420
 c 421

<210> 29851
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c11d1

<400> 29851

agccagaaaa acaccctat tacataacag attgtccaca aatataattc tttttccact 60
 atgcccaagt caatcaacag atagaaaata aacagaagac taaattaaga cgaaaaactc 120
 aaacttaaaa tccaactata tttttcagta tttccacact tgcttctacc cctgttgaaa 180
 gtaacaaagt aaagctgctc tgcaacaaag tagatctaaa ttacatgac aggaaacgac 240
 caacatagta aaattaaaga aagaacatag aataaaggcc tagagaagga ttaaccggaa 300
 caaaaaccag aagatataag catcttaggc agaaacccta aaacccaaaa aaccctagga 360
 gtaaagcctg ttaggagcta accactgtga acaaaacca atgagaaggg attggtgcta 420
 gcattctatg aagtaactcc gaccagccaa tctcaatata cag 463

<210> 29852
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c12d1

<400> 29852

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acatcaaaaa ttgtttattg tcttttctag acaggcgaac tggttcgata acaaattttt 180
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 gattttgaat catcataata tctagaccta gttctcctct ttgaatagag gctattgtaa 300
 tgactcttaa attttgtaat ctaatcagga gacaatatac tttgacattg ttaaattttc 360
 tttgacctaa gaaattattc caatttaa atgtaaaatcaa aaaatctctt agtaagaaat 420
 taagtcttgc ctccaactcg tacttgactt ctttatcttt atacccttac tattcttttc 480
 actgtctgat cctacataaa tcgtttcaat tatcttttct tggtttgaga tagatgattc 540

<210> 29853
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d07d1
 <400> 29853

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 aataaacata ataaatgatc atcatgttac tcaaagcctg gttatttatt taccctaaac 180
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 gaatcaagct tctgtttgct gtttctgaga aaaagggtaca tgggatggca tgccaacata 300
 cagatgatgt tgaattagtt ggcatttacg agaacaggga tagccctgag ggactgatcc 360
 aagtccatgt cgatgggggc aatgttggtc tcaagcttcc agtcaaagtt gttgatcaag 420
 gaaccgagca tgttgtgcag catcctaacg gcgagggggg agccagggca aaatcgtctt 480
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<210> 29854
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d08d1
 <400> 29854

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 acacatttgc aagccacgaa gcaacatact caactttcaa aaatctgaca ataatgcagt 180
 caactaaaat tctgttctaa cacctcaaga aatgcaagag ttctgatatt aacttgaaga 240
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 aaggaatggg agtaacatcc tctatacgac caattttcat tcctgaacgt gcaagggctc 420
 gaagagctga ttgagcacca ggaccaggtg ttttggctct gtttccacca gtggcacgga 480
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<210> 29855
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029d10d1

<400> 29855

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 aatacgaact aagaaccatg cttttaatag tgttctgtgc tttctccaac cattaaagta 180
 cttaccaatc acctttttgt aactaagcct ttgctgaacc aaaatccagt actcagcaat 240
 gtttggcctt ccaattatgt actcattctc taaatccaag agttctaaac gagctaatac 300
 tggaacaagc atcacatcag ccatggtaaa ctcttgacct gccaaatgag gtgtttcact 360
 cagctgcctc tccacctcat caagcagtct aaccaaata tcttgctcc ttttcaaaac 420
 atctgcttct ttcaatttct cttcagtctc gtaggcttct ttcaacttcc tatggtaatc 480
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<210> 29856
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029d11d1

<400> 29856

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 accaccatca ccgtacattt ccaccggcga aactcaatc ttatgccgca acttccaatc 180
 cagcgctga catccacgtg aacagtaatt cactttgccg caaaccgaac accggcgaaa 240
 ctcgtgtggc cgcgtctccg gtcgaccgca cccaatgtgc gcgcaaagcc tcagtccttc 300
 ttctaatttc cccttacctg actcaaacca ctctctcaga aaccaattcg ccggttgac 360
 ttccggcggc gccacgctgt aaccgtaatc actcagcaac ggacacgcca gtgatgacac 420
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<210> 29857
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d12d1
 <400> 29857

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 actacaaaa cgagatttc tctcaatag aaatctaag cactacaata ttataccaa 180
 aaacacttta aaaaaattgt tccactcgtc ctttctgctt gttccttcaa tcccttctct 240
 ttgtgagcat caggtttacc ttactcaaa tcgcatcggt cacatatgta gacggaaact 300
 gcattagtaa gacttaagta gctaagttcg gtgcctcctc aaaactcagg caaaagccag 360
 ttaaagggtc aatggttctg actctgcgtc cctatccttc aattgccaat cttctgtttt 420
 tggcttatcg gaaatcacca tcagtcgctt ttgcaagata caagccacca aaaggaaaat 480
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 cacaaaaatg ttgagaggaa atgcgga 567

<210> 29858
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029e06d1

<400> 29858

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gtgattgttt ccttcctcta tgaggtgaag tttctctatg acgttttgga gaaacagatg  120
attcccttgt ctaagggctt acactcctac ttctattcct tcttgaagca gatgaatgat  180
gatcaagtga tctatctaaa tctcgtcttc tgtatctatc actatgttcc ctaatatctc  240
taaaggaccg cctttccctg tcatagcttg agtaatgatg ggacctcaag ggtgacctat  300
agcggtgatc cttagaatga cgagcaggtg aataagagcg agaccttctc cttctccggt  360
aattgatagg agatcttgac tttgatcgag atcttccatg aggaggacag ggcgatctgg  420
acttctgctt tggctctttc tcttgagttc caactccatc aggattcaat tcttacttat  480
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<210> 29859

<211> 456

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029e07d1

<400> 29859

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tataacatat caaagtggcg tgcggaaaac acacaggctc catgaatatg tcccagagagc  180
accatggagg aggaggagga gtcaaacaca acacaaatac aaattaaaag ataatcagta  240
ctactaggca gaaccgaatt taagagaatt cgagccaaat atcttagcta aatgggacaa  300
gagctgaaag acaagggat ttcttttagcc ctgaaccttc accacactta ctctccttt  360
tcagccttct tcagccaatt aacaaagggt tccagcgctt tcacaaaggt ttgcctgtac  420
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<210> 29860

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029e09d1

<400> 29860

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taattcttga ataagacagg tggaagtaaa gttcctataa gtttcatgga tctaactaaa 180
aaataagcat tccacgttca caaaaacaca tgtggagaca ctaaacaatca gaaacacctg 240
agagattgtc atgtaaactt ggattattgg gtcattgttt attgccacag ctttataaaa 300
attagacccc aaaggcaaca gggcttagtt gggatggca gcctccctcc cttccctggc 360
cttccatcaa aaaaggtct ccaaaccaaa aaccaatata aatgttttca tctctactc 420
ttccaatatt gctcccttct cgctgacata aataccatca agaaacttcc ggatatacctt 480
ggtcttaaca tgacattcct ggttaatgag agcacatgac ctatgaacaa gttcaat 537

<210> 29861
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400029e10d1

<400> 29861

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tccccatgcc atttaattac attggccctc atggatgcct tttacaggct ccttcactaa 180
tcatcatatg ggatctcacc agcagaaagg aaaatctatt ggctgggtac aacaactggc 240
ggcccttcca ccttgaaagt cgctcccag atttcctcct cattagcagg aactggagta 300
atcttatttt taggattctc atagcacatt aatccttcaa cagctgtaga gtagaaacat 360
ccttggggga aa 372

<210> 29862
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400029e11d1

<400> 29862

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 taacaatact aaaacacaga ttttcacagg caaatctccc catattccat ttacccaaaa 180
 tccaaactat cgctaattca ctagttagat caatgctgac tagaacgttg tattccataa 240
 gtttccatga tccccgaggg aaaaacagga tctgtagcag ctttaacagc aacttttgcc 300
 accgcagtac cattgacagg aggtgtcaat tgaggccac catgtgggat ctgatacaac 360
 ggtttaacca cttgg 375

<210> 29863
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029e12d1
 <400> 29863

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 atcaaggaaa actgggaagt tgttgatgtt ggattgattt gccacagcct tatatagaca 180
 aaccaaattgc ttaatatcaa cacaaacacg tgtacagaaa agaaaccact cttcaagaaa 240
 acagaaaata agaaaaacta acatattgga agaggtgccc cattccactc cccaaggcat 300
 tccaaaagtg gatcaatgat cttcccttgg cacaaagcag tgaacacttt gtcacactct 360
 tcaccggtg agataaccct ttcaccagtt agcaatgctg tccccaaactc ctctctcaca 420
 aacttgtaac aggggtaaga cctgcattcc ttgatcttgt ttggaattgc acattggtca 480
 ttctcatatg caact 495

<210> 29864
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f06d1
 <400> 29864

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 ttcctttgag gatctgaaac actcaaaatt tgagttgtcc ctcccaatca aattttctta 240
 gtacacaaga gttaggattc aaattcggca tgtttttaa acatgttagg caccttcatt 300
 taacgtcaca aaggtaataa aagaagccat gccatggcct tattaataatg gaaaagctta 360
 cccagagaca aggcgcaa atgtcctcata acgctgtctt tgcgccttg ttcgtgccgg 420
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 caggggagat 490

<210> 29865
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f07d1
 <400> 29865

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 aaatctatac tttttatacc ctatcactga aagtaagaaa aaaaaactga ccctaataat 180
 aacaccatga tcatgattat cacataacaa cagatctctg cgccttcctc cgctcataat 240
 cagcatcatc agtggggaac tcatagcgac aaacgggaca cgtgtttctt atccccaacc 300
 acggcacaat gcagtcctca tggtaacgat gcgaacacgg caacaccttc accccttccc 360
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<210> 29866
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f09d1
 <400> 29866

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 tctttatcta acactttaga ttacaataag cactactgta ctcagaacaa aatgtcaaac 180
 aaaagaccag ttcataaaca taaagcacat acaatgagca ttctcttctt cattcagcac 240
 cttccaagca acaactcttt cgtacgagac aggtcgcccc atgcttgaaa gacaaatacc 300
 accttgaaga catacaaaac cctgttgaat aatctgggga aactctgaaa aaagtatttt 360
 tcgtccatga tcatcaaata ttttctctaa aggtgtatcc cgtaatgcaa caagggtggt 420

<210> 29867
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f11d1
 <400> 29867

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 ttagctcaat gaagggtgcc acggacattc caataacagg atcatgggaa cactaaagcc 180
 cctccaaggt tggcacattg ggatttccaa ccggatttcg cttttacgtc cgcttccatg 240
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 cggcc 305

<210> 29868
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f12d1
 <400> 29868

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 ccatggcatt gcaaattaca acagattagg gctacaaatc cccacaaaag gttggcaaaa 180
 tgggatttcc tatgtgccat tccttttttg acagttacaa gagctttcca gggccaaatt 240

gccctgtgtt ttcaaagata tacaagggcc ctttttagttt ctcgggcata aaccacgctt 300
 agtacaccaa agttatatgc caaacaaggt gtaattatgt tacatctcaa tcgaaccatt 360
 ggaaactgat gtatc 375

<210> 29869
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g05d1

<400> 29869

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 aaaaggggtt taaaaccggg tttgggggga aagcagcccc ctttagccca ctttcacaaa 180
 tttggggccc accccctttt cccccaaggg ggggccccct tcctgatccc tgggggcacc 240
 aactccccca acgggggggc cacaccccc tggggccatg cgggaaaaaa atggggggca 300
 aaagcctccc aaatcccta 319

<210> 29870
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g06d1

<400> 29870

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 tacataagtt gttaatccaa acgagcccaa tcatttgcaa catgtagatt atactttcgt 180
 gccaaacgat gagcagtttt gtcagccata atgccctcta tcactttaaa ctttttgtaa 240
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 aatggttgat catcaaacat ttcccttaca gcaggccag ccc 463

<210> 29871
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g08d1

<400> 29871

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 agcaaaaggg gggggccgat ttttcaaagg ggcccctttg gcccctaaat tccctggaaa 180
 gccttttcaa accaaaaccg gtagccccta ccccgggcc tgaaaaaagg cccccccccc 240
 ctttatttaa atgaaagggc ccccttttat gggggccctc tcaaaaaaga cggggaatcc 300
 cgaccaatg gaaaaacccc cctcggggca aattggtttt tgaaccccc ctttgggtcaa 360
 aaagaagacc cctttcccga acttt 385

<210> 29872
 <211> 339
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g09d1

<400> 29872

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 aatcaagtca tattttgaga aaccacacaa tcaaatcatt ttactttggc cgaatcaact 180
 ttagcgggaa tgtttccatt gccagccaga gtctcggagt tttggggtcg gattttttgg 240
 gcaatttact tagctttgac tgaaagctta ttacaatggc aactttgaac tcaactgaga 300
 agggacccgc ttaagttggt ggaccggtca aaaggggag 339

<210> 29873
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g10d1

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 attcaattag tagctgggtga cgaatggcct gtaaaacttta agatcatcaa ttaccccagc 240
 aatggaacct gctgcagcta atagagtaac taccaagcat gcagcactaa gcatttgtag 300
 gcatatccat cttggggcccc actttggtat cttagcttga gttatataca tctccactgg 360
 taaataaaca gcgagggggcc aaaatccaat ggctccaata agccctacaa tgtcattgaa 420
 gaatggctgg agcatggcta tcacagttga caaaatcaca aaaattgtcc ttcaaaccac 480
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 tataaaaaata c 551

<210> 29876
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029h07d1
 <400> 29876

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 tttatccaat tccaaaaccc aaatagcaaa ctaccgtaag cttaaataaa ataggccaac 180
 gccagacttg aaacaaaata attttataaa gcaaatgaag aaaagaaccc caccctgtat 240
 gaaagaatta agttgaacag cacaatgttc ttgttcttgg ggttgtaata atgatgaaca 300
 tataacagta acagtaaaat ccttattctt gagcttcaag ttactctggg atgggcttgg 360
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 tcttgccagg ttcaccaatt ttgaaagcgt tggtataaac ggtctcatca gcgggaccca 480
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<210> 29877
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h08d1

<400> 29877

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 tttaagtaca aacaaacaaa gtgggggtggc ggctacaaat gctttgcaaa tttttcacac 180
 ttagaagcct gggggcttgt aggcgatgaa gctgatgcac tgcacttggc gaacgttgtc 240
 gaatccgatg atacggatga agccgttggg gtatgcagtc ttagcctctt gaagctcctt 300
 caacacctga gaagcatcag tgcaaccaa cataggcagc ttccacatgg tccagtagcg 360
 tccatcgtag tatcctggtg acctgttgtg ctacggtac acgaaaccgt gctccaactc 420
 gaattccaag caaggaatcc atcccttctt aagaaggat tctactttct ttgccaattg 480
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 ggccaca 547

<210> 29878

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029h09d1

<400> 29878

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 attatccttt caccctcaaa ggcagacatc aaatatgatt gccaatataa attgaatggt 180
 actattctgt aactatttta gcagcttgcc cgtaaactcat ggtgcagctt cttagcagta 240
 tatacctggg aatttgttca ttgcctactc cactttcaga acaatcttca tgaactcata 300
 gacaaagaaa cttatggaag ctgaaggaag cacctgtaat aagctgggaa taagtctctg 360
 atagagagct ggaatgcctc cctgttcaac tattttggca aatgttgcaa aagaacttaa 420
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<210> 29879

<211> 481
 <212> DNA
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<223> Clone ID: jC-gmst02400029h10d1

<400> 29879

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 atataaaatt ttagatcaaa tgactattga acacacaatt ttaagtgggtc caaatctaga 180
 gacatatgac tgtgttttca tggtttccag aggatggtag tctctgcgat catggagggtg 240
 actacatagg gatccatatt agaagcaggc cttctgtcct cgaagtaacc tttgccattt 300
 ttctctgtgt ctcttccaac tctaattggag cttccacggt ttgccacacc ccaagagaag 360
 gtgttgatgt ctgcagggtc atgtcttccc gtgagacgtc tctcgttgac ttctccatat 420
 gctgcgatgc gctccttggtg cctcaaacca agcttttcaa tggccctctt gatcacctca 480
 t 481

<210> 29880
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h11d1

<400> 29880

caaaggaagt taaactctca ataaaagcac attaatacag gagcacagat gttgaaagcc 60
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 ttttttcaag tccataaaat ggcatattgat ctacgcagct acttcttctg cacattatag 180
 agctaagtgt gctaggcaat ggctgtgcta ggatcggatg ctgctggatc accttcccag 240
 atggttgtct acttcccagt tttggaaacg gtcggaagaa ctgtgtctgg ctggacattt 300
 cccttgagta ccaccttatg ttacttgaaa tcaatgtgat atgattccac accatgcaag 360
 tgtcctaaga ctgctgttac tgctccaaca catacttgac atgacatacc aacttcgagg 420
 ctacagtctg agacat 436

<210> 29881

<211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h12d1

<400> 29881

aaaaaaaaa acaatttaat ctattaaaaa atggaggaaa aacataaata cttcatgatt 60
 atgataatca gtaacgaaag agaggataga tacacatgcg aaagtcaata aattgtgaaa 120
 aatcctcgat acacttgtct ctccctaggaa ttcattctaa tgtagcacta atcaaaaccc 180
 atgatcgatg aagaatcaca tgctcctctt tcttcctttg aatctcatca gggtagcaca 240
 aaaaaaaacc cataaaaatg acccgaaa 268

<210> 29882
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400030a01d1

<400> 29882

atctgcagat tcttgctaaa tgaaacaaaa cgttattctg caaaggccaa taaacagcca 60
 tcaaaataaa ttcgaaagca aagtcaacat agaatcaaat caagtttcag gtttgaccat 120
 tgttttttcc tccttatcct aaatcaaaac aatgtgtcaa ggtctaacaa aggataaata 180
 aaattttaca tctaaagtaa cgcttccaga tataagaaaa aacaaaaatg aaaacagAAC 240
 taagattggg ggcataaaat gatctattga tgtgggaact ctgtctacct ccttttgctt 300
 gacaacctga attctgaggc aattgtagtt cccttcatcc taaccagatc cgacaatgat 360
 gttgctaatt ggaatgaaaa tgagcttcac gaagaaaccg acgaatccca tcacgacgaa 420
 accaattgca gtacggacgg caaccttgga gaattctntg cgatcggggt tgtggcaacg 480
 cttcacgag 489

<210> 29883
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a02d1

<400> 29883

gttatatgaa atattatgat gtgtagttta tacttttaaag catccacaaa ggaaagaaag 60
 aaaaaaaggc ataatgaagt gtgaaaacaa aaactaaaat ccaaattgat acaacaggaa 120
 aatatgatgg aggggtgtatt tattgattta ttttctttct tctatgcctt ttgttggaat 180
 caggcaaaca tgtcagagag gggtgggagc tttatctctc ctttctgaga aagaggaatg 240
 gtgaagttgc caatgacagg aaggtaata actagaccaa gatccaattg gtaatcaatg 300
 tccaatctg caccaatgtc ctttgccaag ctgagtaata tgctatgagg caccttcaact 360
 ggcacatcca gcattgttgt gtcacttgcc ttcagtgacc ctgggtcaag tattgtccct 420
 gatgctatct ccttgccagc acttttgagg gagtacttga tctcaciaat gggaatggga 480
 gtggaataag gggtggaaac agagacctta gccaaatact cgacgctgtc gcgggtcacg 540
 cgcttgaaat ccacgtcggg gacactcgcc tcgggcttgg catgt 585

<210> 29884

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030a03d1

<400> 29884

attctagatg gattcttaca cgtagatacc acatttttgt tacctatata atattttcca 60
 caatataacc acaaactctaa taaaaccaag acatgcataa agttggatct aaccggacag 120
 tactactaca acacaagtca tgtggtgcaa taagaataac gttaaggcca catgctagtc 180
 atagagctca cagcattatt actattgatt ccactattga aatcgctgca aggaatatta 240
 tccaagtttc caagcccacc aagaggtgaa ttttgtccac taactgtaat tccacctcca 300
 tatgaagcat catcattccc acggacggtg atggttggcg aaacatgtgt catgcggtgt 360
 agattatttg tggtgagttg aggtggggtg tttagtgaac tctgattttg aagaatctgg 420
 ttgttgatag gggtagtgt gccacgagt accatatact cagctaattt caccttagct 480
 ctcaaagctt cgacatctga ttttaggact cggttattcg tatcagcgtc acgaaatt 538

<210> 29885

<211> 576

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a06d1

<400> 29885

cataaaaaat atgaagtttc tattaagga aaaaaataga tcataactaat aatggaattc 60
 tcatctcatt ctataaacat tacaatgtgg taactagaac tcatattcta agcttctttc 120
 caggtgttgg ttcacatca taatgggttac cccctcacc attcgtgtcc ttttccatct 180
 tctttctggc aagtatctta ttgatcttgt gcaaatcatt attgagcttc tggtccttgt 240
 tttgctttcg ggtcttccgg ccattcttga tcttcacacc gaactggaat gcagcttttg 300
 gcattgcttc cttctgctca ttgtaagttg cccattcctc ttcagtttca aagtcccatc 360
 tatgaagacg accctttgcc cttccacca tgtccatttt ggacaagtcg tcttcatcat 420
 cactgtccac tatctcacgg ttatattctt gatatcctgg gtaacattca gagtaactct 480
 ctgagatgaa gttgggatct ttttcacgag catctttctc ccttcagctg tgaagtctct 540
 ggtcatctcg cttaaacact gatcctaaac cccgat 576

<210> 29886
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a07d1

<400> 29886

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 gagatgattt caacagccgc ttcacagtt aaatgctccc aaagtccgtc tgatgcaaag 120
 atcaaaaaca gatcatctgc cttcaattta cgcgccaata tcgatggttc agctgtcatt 180
 acaggtctcc tcaagtatag tggacataca aattgttggga acagaggatt agtgtcaaatt 240
 tctggcttct ttaggtaaac atctcctatt gatcttgaga cctgaataat gcccttgatt 300
 cgccaaactc cagcagtgca aaccacaatg tgtggatcat cagggtgaag agcttcaacc 360
 tcctttctaa cattctccac tccaacatta tgatcagtgga acaaacgctc tgccaccaca 420
 gcaccagcac cacaattcac ctctccttcc aacgctttcc gacccaaaac cgccctcgaa 480
 tccccgagat tagcaacata aaagactccc ttttgaatcg ctcccagaag acaacacgaa 540

cccacggaag c

551

<210> 29887
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a09d1

<400> 29887

attcctagaa ttacataacc gatcaacagt ctccataata ataacagtgt cacatacatt 60
 acacacagaa cagatcctca gcttcgaaac acagtcaggg cgctctctac ataaaccctt 120
 tattaaggaa aaaaaaaaca aagtgaactc acgaaagcac gatcaattac tattaagttt 180
 accgaaccga aaacggcgcc gttttggatt caggtcttg aagcttcgag atctgcagct 240
 ttctgaagaa gactattggg atcatcctcg aggaccatgc ggatggggaa ggagccgagg 300
 ccgtcggcga tggcgagcat gatcttctc atctcatccc ggaactcgcg gcggtcgacg 360
 ggcgcgctcc ggtcgccgctc gaacttgctc aagatggagt cgtagagctt cgcgagctga 420
 tccggcgcg tggcgacgct gatgccgaag tgcgtctcga tgaggcgcat ggactcgaag 480
 gccgtgcgga gctccgagcg cg 502

<210> 29888
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a12d1

<400> 29888

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 ccccaaaaaa aaaaaaaac cccctgcccc caaaaaaaag ggggccaag gccccccaga 120
 aggggtgcc aaaaaaaaaa acggtccaaa aaaaaatacc cggggggggg ggaaaaaaa 180
 aaaaccccc cggggggtccg gggggggaaa aaaaaagcg ccaacaaaa aaaaaggggg 240
 gatcccaacc cggggggggg gggggggccc cccccccg ggggggggcc cccccccac 300
 cccggggggg ggggaaaaaa aggggggggc cacaaaaag ggaaaggcta cgggcccccc 360
 cacaaaaaac caccggggg gg 382

<210> 29889
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b01d1

<400> 29889

accaagccaa ctttcttcta ttcacgtctc acctcaccat ttattgtgaa agcaaaatga 60
 ggggactctg taaagagaga gagaaatgat aaaagcacat acatagaata tacttaattg 120
 acatagttag caaaactctc tttcacaaga cctaaatgat atataaaagc gtgcacacac 180
 atatatatat atggatcata atcaagctaa agaccacttg acccaatcaa cttgggttagc 240
 ccaaaagtaa tagccatggc tagccacccc ccaagcaaga ctctcacaca agacctaaat 300
 gttggagcct tacccaacac tgccccaac caaccaaaca ccacaagagc taaactcact 360
 gctcccaaaa tcacaccaag ccttacctta tagtccctta taaaagaggc tgcaaggaga 420
 ggcaccaatg caccaactga aaatgcaaga gctgatgctg cttgcacatg tatagggttc 480

<210> 29890
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b03d1

<400> 29890

ggtacatctt aatgtctttt gtccatcttt ctctaacttc tcaaatttct actaagccaa 60
 aaaacttagt tctcaaacta cagaacaaag tttaaaaaat aaaatagaag ctagttatgt 120
 cgtagattac aaagaaaaag aaacaacata atctaaagat caaatgctt cccaccataa 180
 tctttaaaaa ggatgatgtg gctacagcac agcttttgct aattattatc ataggaatat 240
 gtaggctaaa gagcacaaaa tggaatcctc cctccccata tgagtcctac ttcaattaa 300
 gcactttcaa gcttcaataa attctatcat tgtaagtttt gcaatgctct attcattcca 360
 ttcaggagaa cattgccacc ttattagtaa atcacacaat caaggaggca acacaacttg 420
 ctgacacaga atgagatctg aaatggcttt tccatgccga tcaattcgtc gagaacagtt 480
 gacaccacca tccagtatgt tccataacaac aatgtttaat gactgga 527

<210> 29891
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b05d1

<400> 29891

ggaaaaataa gttgccactt tttagaggct ttaatgatta aacaagagaa acatttgga 60
 accatggatt acatcaaacc aagggaagg gaaacaattt gactaaagcc aagcttacia 120
 atggattaaa ttttgggacc caaaagagag gctttgatgg ggcaaaactt tgacgtggcc 180
 ggggattaac attagcagtg ccaccagctc ctggttttcc tttacttctt gggcctcctg 240
 aacttctctc accttgggct tttcttggag aattaagaat ttttttttg gaccctctt 300
 tagtttctc aactttgtcg gtcaacctta ttgactttt tatgcttcca tataacttcc 360
 caagaagttc ttgggc 376

<210> 29892
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b06d1

<400> 29892

caaaaggtaa tactttttta tttattttac tgtaaatagt gaaggaatcc aaacaactgg 60
 gcttgagagt acggaaaaag ccataaacac atagaagaca aacagcggct actacaaaaa 120
 cacaagatcc caacatgagt cgaaaacaca tacacgcttt aaataggccc gtgagcaaac 180
 caactgtctg aaaactcctg gatatac 207

<210> 29893
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b08d1

<400> 29893

agcaaagga aacatcccaa aattgaaatt actgtcaata atgaagtttt tctaataaca 60

gggcatgaat gtccagaaaa agccatcagc acattgaaga caaacaccag ctactacaaa 120
 aacacaagaa cacataagga gttgatatca tagacatttt tcaaatatgc ctttttgcaa 180
 atcaactctc taatcattcc tggatattcc taaaaacgta ttcttattgt ttcttttgct 240
 cgccactgtc ttcaactcct atgctcttca atgctttcaa ctttctgtag cctatatcag 300
 tcccaaatat ccggtccatg taagtaaaag ttgatgaata gttcccagac ttgggtgtaca 360
 ataaacggtg atgatagtca tggaaatcag ctctccata caatggaagg aagttggaaa 420
 gactccatgg gaaatggtaa ccacaatgag cctcaactgt ctctaggact ctcagaacca 480
 tccataacca gaga 494

<210> 29894
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030b10d1
 <400> 29894

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 agcagcttaa agtttctatt aagcgatcag atcccaggac tccttctctt tctcaaatga 120
 cactacctga actcaaaaat actcggatga gtaaggagga actacagcca cccctgttg 180
 ggactctgat gtaccgaacg cttaatcagg tgcaatggtc aacaacgca ccttaccgtt 240
 cttcatagtc aatacagctc tatcacgtcc atcaacaact tggttcctaaa ccgttttgaa 300
 ttcaaacagc ttctcttctt aatcatggcc ctgtattaaa aaagcggcac catggtgtag 360
 cttaccatt agtttcactt taacaatggg cccctcattt ggacgctcat gtccttcccc 420
 ttacttgagg atcttcggta tgacc 445

<210> 29895
 <211> 157
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030b11d1
 <400> 29895

gaacacaata gagaatctac taatggaaag caagacttgc actattgaat acaaataccc 60

agccatttca tttttcacia aaaaggaagg ggcccaaac tacgaatgat tcataaacgg 120
 cggtacataa ccgcacaata acggggaggg ggaaaga 157

<210> 29896
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b12d1

<400> 29896

attaatggaa agcttgactt gcactattga atacatatac cttaccatt tcatttttca 60
 cataaaagga aagggcccaa aaccaggggt gattcatcct ctgcggaacg gctctgggca 120
 atacggggag ggggaaagag gaagtcaacc aaccacc 157

<210> 29897
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030c01d1

<400> 29897

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 ttttatttag taagtacttt tacttagcat cttctctgct ataatttttt agggtttttt 180
 tttaaaaact ggacagcaac aatcacccca cacacacaca cacacacatt tatatattgg 240
 cctctctgag actgagttgc gaattctgat ctggaactcc aattattatt attagcacia 300
 agctcaattt cagtccttcc tcttggggca agtttcgttg tcgctctcgc tgcgctgct 360
 gtcgctgctg gtgtcacctg ataagcgatc cttgatgttc tgcaacatcc ctttcttggg 420
 ctccctctta 430

<210> 29898
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030c02d1

<400> 29898

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 acaaaaatct ctgaacaaac tatccaactc cacagaattg caggtgaaaa gggggggaat 120
 agatggtatg tatgatatac ttctcctgaa aatgtggggg aaaacaaaat atccaaaaga 180
 aaaaagaatc aaacttcaag tagtttagtt gtgtaaaggc tctgcggaag ccggaagga 240
 attcaatgta gtatcatctt gtttgatga atcttctgta gcagcttttg catcagaatg 300
 ctgaagcttc ttgtcactta atttagaagg agatgtctca ggtggttgta catttgataa 360
 cccctggtg agaggagtat caagtacatt catagcaggt gaggtcaagc catagttctg 420
 agggatagtc aaaactggat gatca 445

<210> 29899

<211> 598

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400030c03d1

<400> 29899

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 attgctccat caagcgcttc agagtgtggt tactgaaagc aatatctccg gctagcattt 120
 tgacttggtc aaccagtaga tccttctgat cagacattgt catccccccc actgtcaatt 180
 ttgttctact tatcagttca ccagcttggt ttgattcagt aacagtactg ctagctgggg 240
 agaactcttc attccatcta ctagatgata ttttatgtct accatcatga aactgatctg 300
 atgacactgc agaagaatct ttctgactct ctttttcaat atcatcctcg ccaacagagt 360
 gacttcgctg atgggtggga acatcagtta gatatccagg aattgcattc tttgaggaaa 420
 ccagaatgag tttggttagc ctctggatcc tactcataag agcagccttg gcttcctcct 480
 cttcttccaa tcttgattgc attttcaatt gaccttcttc taactttngc ttttaagtcaa 540
 aatctcctca tgattgacac caactagcat ccccttctta gttgatcagt tctacttt 598

<210> 29900

<211> 369

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c05d1

<400> 29900

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agaaacccac cccattgccc ggggtttttac ccccccaaga aaaaaccgtg cccccctttt   120
atttcccag agaaaaacaa acgcgataa acaaaccata attccccctt ttttgaaaac   180
ccaattttcc caggggtggc ttatttttaa aaaaaaaaac ccccccccc ccccgggatg   240
tttttttttt ttacaaaaaa agggggggga aaacctggc ccccccggtg tacaaaaaaa   300
cccccttttg ttgccccgat ttttgggtct ttttttgaga agaggaaaaa ggccccctcc   360
ccccctttt                                     369

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<210> 29901

<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c07d1

<400> 29901

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aacaagaaaa cacacttata ctgaattaac aggaaatagt gaagcaatac aaacaacagg   60
gcttgaaagt acgtaaaaag ccataaacac atttaagaca aacaccggat actaggaaga   120
cacaagatct caacatgagt cgaaaaaaca tacacgcttt aaataggccc           170

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<210> 29902

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c08d1

<400> 29902

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gcaaaaggaa acattcttta attgaaataa caggggatag tgaagaaata aaaacaacag   60
ggcatgaatg ttcaaaaaaa gccattaact catttaagac aaacaccgga tactacgaag   120
acacaagatc ccaacatgag tcttaaaaac atacaggctt tacattggcc ctagttcagg   180
aaagcctgtc tgcaaaactcc tggataaacc taaagagggc ttaacaatgg ccgctttcga   240

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tcgccacgtg atgaaagatg catggctctt caat

274

<210> 29903
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c09d1

<400> 29903

aaaaacaaaa cactcttata ttgatatt agaaagccgt gactaacaac aagatagaga 60
gttataatgt tcctgtaaag gaataaaccc aaattagaca tgcactgat tgtatggagt 120
gacgagatct caacacgaac catactgaca cacatgaact atatttacc cattcagcaa 180
tgcccatccg aatctgctgg agctaaacta tgcatacttt agtaggaccg cccacgggtgc 240
accggtatta caaagcatgg ggctggaaat gaattgtgtg actagaatcg ttctgtgttc 300
ccggatattg ccatggatat tgttgcaaga gcaggaccaa tggcctcctt tgcgtaaatg 360
atgctgaac gctcgacga gacatcaaac atttcctatg ggacatggac gacaagctta 420
ca 422

<210> 29904
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c10d1

<400> 29904

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gcttgagtgt acataaaaag ccataaacac atataacaca aacaccgat actacgaaga 120
cacaagatcc caacctgagt cgaaaacaca tacacgcttt aaatgggccc ggtacactac 180
cggctgtctg gacactcctg tataacccta a 211

<210> 29905
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c12d1

<400> 29905

aatcaattgt atatgatatt ttttgatat ttataataat tggcaggaat tttggttaata 60
 taattaaagt ttagtttgat gtgaaggtag ctgtaaacct agggaaagga ctatttttaa 120
 ctgccttctg accatacttc cgccatctgt agccatcctc aagatgatca acttcactct 180
 tggtcataaa tgcaaaccgt ggctgccgta ttcgcttttg ccccttggtt ttacctttac 240
 tcggtatctc aggcgggtta tcgtcggaga cgggtggattt ctccggtgga tcctcgctgg 300
 agctggaaga aatcgattgg ttgttcgacc gcgacggcgc ggcggcgacc ggttcaatcg 360
 aatcggtcag agaggactga accggcttcc acaatccgtc gtcggtgccg atccggttcg 420
 gctggtcggg ttcgaggttc cacacgaatt ccctgagtat gtcctcgctc 469

<210> 29906

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030d01d1

<400> 29906

ccattcaaaa tcttccggga agaaagtgga ataaaatttt tccagtgtta ttattgtgtt 60
 tctccccggt catacataac cctacaaca gaatccagt tttcaaacag aatatcccc 120
 accccacatg agaaaatatt taaagatata aattttgaca cataacataa cataactgca 180
 gttgtattaa ataatccaat caaaatgaaa tcatcaatag caaaaacaga aaaaacctct 240
 tctgatgtaa ctgcagacag tgctggtaga tcaaggaaag gggggaaatg atgccagaat 300
 ctacttaata tattgagaga cccattggaa gccatctcca tatcccatct tgcgtacaat 360
 gctgcacatg aacacttcta gaggccgaag gttcgactcc gtgaggttga cctttccctt 420
 ccccggtgtg aaactggtca ggcctagatg ataacgtagc tcttcttctg atgc 474

<210> 29907

<211> 476

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030d02d1

<400> 29907

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 aagtaatata atctatacac aaattaacaa tgagtagtgt ccactccaaa ctcatctcac 120
 tctcatttga aggccaaagt agttgaaata tcttgtctac ttgttgcttt ctttattaag 180
 aattttttga aagattcaag aatggaccgg ccaagaatct cagccaagga atgctcaatt 240
 tgtggcagaa gatggtgagc cagagggcctt aaaagcagct tgttcagcac aggagagaac 300
 ttcattaggc cctgcctctt ctctgccaac acccaagaga tcaagataat aaagatagtg 360
 tgaaatgatg ttgttcatgg cctcattatc tgatccctga ccacaagttt gatccccata 420
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<210> 29908
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030d04d1
 <400> 29908

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 atctaacaag taattaaact taaatcaatt aatcaaaaaca gtctaggaca gtttaaattgc 120
 aattttaccg ccattgcaaa acattgaaag gttgctttta aatgccgaat acccaacatt 180
 ttcgaacttg gggtcacaaa aaattattta acaacgcaga ctcaatcggg ggtccttttg 240
 ccgggatctc aaaacagcaa aaaggggtgac aactaatggc aattgcctca ttgggtcata 300
 aggttgggct cttctccaaa tttgatatag ctatgtacaa caatctaaca gggtaaacac 360
 ttttgaacag aactcggggc tccaatagtt ctgataaaac accccttatt ttgtcaacag 420
 aaacaggtgt taatataagg gcattcatac caac 454

<210> 29909
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030d05d1
 <400> 29909

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ccttgagtgt ccataaaaag caataaacac atataagaca aacaccggct actgggaaga 120
 caaaagatcc caaccgaac cgtaataaca tacacgcttt aaatagaccc ggttcagtat 180
 cagctgtctg aatactcttg aatataaact aagcct 216

<210> 29910
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d09d1

<400> 29910

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 cctacaatgt accgataaag ccatcaacac atataaaaca agcagcggat actacaaaga 120
 cacatgaacc aaacctgagt ttaacacacc aacatgcttt aaatagaccc 170

<210> 29911
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d11d1

<400> 29911

cccaaagaag cactcttata cagacatgat actaaacagt gacggggtaa agatcacaga 60
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 cacctgagct cagcctgagt tgaaaaacca tctatggttt aaatggaccc ggtacagaaa 180
 cacctgtctg aataaccccg gatataccta agcagcattg gcatgggcgg ctttcgatcc 240
 t 241

<210> 29912
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d12d1

<400> 29912

ggcatccaat tgatactgat cggctttcat agcagataaa agtgaggcaa tcgaaaggac 60

ccctcttcaa cgtatgaata agactataaa cacatgttat acaaccggcg gttcctggga 120
 tgacactggg actcgacatc acttttaaac cccgcccagg attagcctag a 171

<210> 29913
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030e01d1
 <400> 29913

aaacgcaagt atctgcttct ctgttttggga cttttaatgt attaattgga actcgtgcta 60
 acagattcac aaacttagcc ttagccatac gggatgtaag gatatgcaaa agtggctaaa 120
 tttatcaaag aacctaaact ttatattact gccatcaatt attaagtgat cattgcaata 180
 gatattacca taatcattca ctactacata tacaagaaga accttgaacc actggttagta 240
 gtttctaacc taccaatgca cttttttggg tttgttacca ccatacaaac ggaagaggct 300
 gaaagcagaa atacaagaca tgaccaccat gctaaggcta gccacaaaag cactagctat 360
 cccttctccc acttggttgc agaatttccc atacatgttg catatcttca tccattgcag 420
 ctctggctgg ccaacccttg caatcatacc cgattgcctt gccgccgtca atgccaccac 480
 tgttacatag gccattacct gatcaccaga aaaaatggcc aagctagggg cttgctgaag 540
 agtactcttc cctgatcat actaaagata ca 572

<210> 29914
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030e02d1
 <400> 29914

cgaaaaccat aatgtattat aacaagatcc taaacataaa gccagaacga aacctcaaag 60
 aaaatccaaa attgacaagg ttttcatatt tgttatcatc cagaaaagaa atcagatata 120
 ataattaata aggtaacatt tatcttcaat aaaaactgga aatcaaagct cacattccag 180
 taaaagcctt ctttgcaccg ctagaagatc cagctgggat cactttcaac acattgaacc 240
 tcacagtctt agaaagtggc ctgcattgac caataataac gtgatctcct tccttcacac 300

ggaaagcagg tgatatatga gcaggaatgt tggagtgcct tttctcgtac ctctggtact 360
 tcttgataaa atggagataa ttcctcctaa caataatagt cctgttcac ttagcactgt 420
 gacatgttcc agccaagata cggccacgga tggaaacatt gccagtgaag gggcact 477

<210> 29915
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e04d1

<400> 29915

cacaaggaaa cacactaata ctgaaataac agaaaatagt gaaggaatcg aaataacagg 60
 gctagagtgt acatataaag gaataaacac atataagaca aacagcggct actgggaaga 120
 cacaagatct caacatgaat cgtaaagaca tacatgcttt aaattgaccc gagacactac 180
 cggctgtctg aaaaccctg aattaaacta agcc 214

<210> 29916
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e08d1

<400> 29916

aaaggaaaaa caatataatt ttatttatgg gggagggtga acgaatcata ataacattga 60
 tataaagcaa acaaagagg atataaacat tgaatagaaa ctttttattc ttaaaagtca 120
 atggaaccat tcgtgccttt tactaaacac caggcttcaa ataggcccga ttctatatca 180
 gctctctgga gatacttgga 200

<210> 29917
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e09d1

<400> 29917

ggacaaagct aatgaactat taaccgggga tggggaaata ataattggta ccgacttta 60

cggtccatat aaaaccatat tcacggtaa tccaattacc tatttggtat agatcggtat 120
 accaatatcg gatttgaaag gagtaatatg ggtaaaatt agccgcatgg atcctactaa 180
 tatagtagca tttta 195

<210> 29918
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e10d1

<400> 29918

caaaaaaaaa cacacttata cttaatttac agaaaacagt gacgcaataa aaagaacagg 60
 gcttgaaagt acatataaag gcataaacac atataacaca agcagcggat actacgaaga 120
 cacaagatct caacatgaat cgaaaaaaca tacatgcttt aaatgggccc gagtacagta 180
 ccggctgtct gaaaaccct gtataaacct aagcct 216

<210> 29919
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e11d1

<400> 29919

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 gattgagtgt acgtatcacg ccataaacac atgttagacc cacagcggcc tctaggaaga 120
 cacaagatcc caacctgact tggaaaaaca tacaggcttt aaatgggccc ggtacccaac 180
 cagctgtctg aaaactcctg gatat 205

<210> 29920
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e12d1

<400> 29920

accaacagac ttgataatag agagggaagg caggaaaata atctaccgtg aaagcccgca 60

aaagaaggaa aacacttggt aacaagacgg ctgtgcctaa gaaaacacct gatcccgacg 120
 gggatttata ccggtatatac ggttttagata caccgcgtacc attgccaccg gtatgaacgc 180
 cctagaatat ttctaggtgt gccaaacctt 210

<210> 29921
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f05d1

<400> 29921

aacatggaaa cacacttata ctgaaattac agaaaatagt gaaggaataa aaataacttg 60
 gctagagagt acataaaaag gcataaacac atataagaca aactgcggat actaggaaga 120
 cacaagatct caacacgaat cgtaaaaaca tatatgcttt aaataggccc gag 173

<210> 29922
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f06d1

<400> 29922

caccagaatt caatccctta caaaaatcac gggggatc ttcttaactt ctacatcggt 60
 ctatacaaat tccaacaaaa aaactatata catataattc cagcaaaca gtggaaaaaa 120
 tcaccatc ctacttaaac tcgtccagac aacgctgtgg aaaacatttc tttctcatta 180
 acaacctatt taatctccat ttggttacct atgttaaagc ttttaagaag cccttcacaa 240
 actcaatgta ttatcactct ggcttgatg aatcttctgt ggcagctttt tgca 294

<210> 29923
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f10d1

<400> 29923

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gtcttgagtg tacgtataaa gccataaaca catataacac aaactgcgga tactaggaag 120
 acacaagatc taaacatgaa tcgtaaaaac atacacgctt taaatgggcc cggtagacta 180
 ccggctgtct ggatactcct ggatataacc taagc 215

<210> 29924
 <211> 214
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030f11d1
 <400> 29924

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 tcttgagtgt acatatcaag ccataaacac atttaacaca aacagctgct tctacgacaa 120
 cacaagatct caacctgagt cttaaacaca tacatgcttt aaatggaccc ggtacactac 180
 cggctgtctg aaaactcctg tatatgaact aagc 214

<210> 29925
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030f12d1
 <400> 29925

ggaacaaggg cgcataattt attaaagcca cgaaagagaa aacaacatag ggaagtctct 60
 tacatgactg gttgacacac agctgaaaca acataaagtg aagctgggtgc ccctattaga 120
 acgcatgtta ttacatatag atagatagga gcaagctcta ttgttgggag gtgaaggaac 180
 tactgaatgt agtacagggg attaggaagc ttaaaggtcc tgctttggcc tttgtggcct 240
 ccgaggagat cgttccattg gtctccaatg atcccaacaa tgttgtatcc ctgccttacc 300
 agattctctc tcgctgctga tttgtatgaa actgcatttg gagtggacgg atcttgtgga 360
 tccttgagaa ttaatttttc ccatgtgtgg ttgccagcct tctttaagtt tgcttc 416

<210> 29926
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g01d1

<400> 29926

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tctccctaac atgctttggc actttcttat cagctgcttt tttagccttt gaatcattct 120
tctttggttc aattacctca gctttatctt ctgctgtttc atttcttggt acagttcctg 180
ctactgctgc tgctgctgct gctgccgcgc cagctgcctt cttctccttc tccttttctt 240
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<210> 29927
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g03d1

<400> 29927

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aagcttacia aggaagagga taaaagaaag actccaaaac gttccttgta actaatggat 180
aggcagtagc atttggcatt tgccaaaaaa accaacaatc gtaacttttt actccaatct 240
aggacatata taacaaagga aaaaaaaatc acgagactga gcattcatta attctatgaa 300
atgatcactt ggcagaaaga agactctagt attctctacg gtggcaaaaa aatatagcca 360
caaagcattt tacaccatga gatatgaaat atcaggcatt gcaaaaacc aaggcagtcc 420
agcaaccatg tatttacttg ctggacctcg tacaacccaa ggacattagg acaatgacaa 480
gacgttgact tgtcccccaa ctgctgtcgt gtcataaagg aggacttcac agatagacca 540
acaaaaactc cccagtagag catgaa 566
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<210> 29928
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g04d1

<400> 29928

aaatgcaagg aaacagttct atactgctgg cagtaaaagc aaacaaaatc ttgcaaatgc 60
 atgctaacag attggctgaa gtgggtttaa aattacagag tggagctctg gttactctaa 120
 caagtcagca cttaagcaca attgccaaaa tcatgggtga tacaacaagg catacatatt 180
 ttgttaggaa acaaatcact gttctagagc taaagttggt taatcataga tatttactat 240
 tactactact aatactatca tgtgaatcca aataggcatg tcaagtatct ccagatactt 300
 tccagagtgc ttctttgatc atcctcggtg gtgctgttgc tgctcctcga cacttagatt 360
 taagtgccaa tgtgagaaca ccataacttg ttgatgattc aactgtttga gcatctaaat 420
 gtacgttggt aatgggtgtcc atgatgtcat accgtatgtg ttccctggaa ggacatttca 480
 tctcaatcag aacctgctgt tacttgacat tgac 514

<210> 29929
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g05d1

<400> 29929

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 ctcagaaaat gcatttcac tctgaacata tcaactcccg caattatata gaacatgatg 120
 ttttaagcca attttttcag caaggaatac aaagaaaatc ccaaagctt gctctctttg 180
 ttttgattct tatttccata caagcaaaac tccaagctga cagatccggt gcagaatgac 240
 aaaaaagaac atcctccaga aatacccaaa gacttcttaa acttctcaac ctccaaatat 300
 acggtggaat aaggaaggaa ctctgagtaa tggctctctg tcagatcggt tatagccact 360
 gccagtttgg ggatttttaa gatttcttca tgggtcaaag acctcacata cctggctgga 420
 tttcctgccc aaagttcacc ggctggaatt cgctccctg gtggaactac t 471

<210> 29930
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g06d1

<400> 29930

ataggaaaca gtgaagcaat taaaagaact tgtctatagt gtacataaaa aggcataaac 60
 acttataaga caagctcctg attttatgaa gacacaagat ctcaaccgga atttttaaca 120
 catatatgct ttaaatagtc c 141

<210> 29931
 <211> 211
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030g07d1
 <400> 29931

cacaagaaaa cactttttta cttaatttac aggggatagt gaagaaatta taagaacttt 60
 tcttgaatgt acataaaaag ccataaacac atattagaca aacaccggct tctaaaatgt 120
 cacaagatcc caacctgaat tttaaaaaca tatatgcttt aaataggccc ggttcctac 180
 cagctgtctg aaaaccctg tttaaaccta a 211

<210> 29932
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030g10d1
 <400> 29932

caaaataaag cacactttta cttaattaac agaagatagt gaagcaattg aaagaacctt 60
 tcttgagtgt acacatcaag ccataaacac atttaacaca aacggcggct actaagaaga 120
 cacatgatcc aaacctgtgt cgaaaagaca tatacgtttt aaatgggccc ggtacactac 180
 cggctgtctg aacactcc 198

<210> 29933
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400030g12d1
 <400> 29933

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aacgaggaaa aaaaaaaaaa agatttacag aagcttatat attacagctt aagtgaatgc 120
 caaaatatac ctattaaggt cgtcgtccac tactactacc acttaatgtg aggcagcccc 180
 tcacagattg gcaattgttt tcataaaccc tttatgcatt agatatactt atgaggcttc 240
 tctcctaaat ggtaatgaca attttacaag aaacaaaata tatgcacatt atttttggga 300
 tgtcaaacct ctgaacaaaa gcacaccaac agcaccaatg gccagagtca gaagcagggg 360
 gacggcgacg gattcagctt cacgcattct tctgtatgg tctggcttc ccaggcgtga 420
 cctttctcca aagtattcat gcaaaagatt gctcagagtg tctagttgat gcatgattng 480
 acgttggcct cgtgcaatca ctaatacctc ttccatcagg ggagactctn tagccaactg 540
 agaagatgat gatgaattag gtggcaatga t 571

<210> 29934
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400030h01d1
 <400> 29934

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 attataactt aaataagtta aagaagatat tacaagtagt agcatcaagc accatcagaa 120
 aggtccaaat acaattggag tggctttaat tattccaaga agaaaacaaa acaacaaagc 180
 acacataatt ttattactgg tttattgata gatatttgat aggaagaagc aagtgcagag 240
 gaaattaata ggtgtaggtg ggttcattat agatttagac cccctttgct gtccactgaa 300
 atttgtgggg tttgcgattc atgttcatgc catagggatt ggcatagcga gtatccccac 360
 caccacagct atgacgctga tatctcattt catccacctt agccgtgact ccaccaacat 420
 gctcctctgc ataagac 437

<210> 29935
 <211> 523
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400030h02d1
 <400> 29935

acccgtaaga tgatgcttca ttttatttat accccctccc ggtctcccct atatgtttgt 60
 gcacagtga ggcaaatata catattagtt cttcactctt ttaaatacaa aatgcttaca 120
 tttaggatca gtttttgtgt gaaattgtag tagatccttt gttaaattgtc tttctaacaa 180
 cattaggagt tgcttcagca gctgcattat cactaggagc atcctgcac catgcttcct 240
 agttcctggg ccagtttaga tgaaggaggg gcctgcaatt gtgacataat ctggcaggac 300
 ctgatacgat gggatgaggg agcaatggct tttcaccttc ccaacacaat gtaaggagag 360
 gagaaagtta cggatgcagat agaggaattg gctttacaga actttgaatg cgctggaaaag 420
 ctgctcttac tctttccttg agaccttcgt tttcactctc aacttcccca ctttctttgt 480
 tgagcactgc tacattccca tcaatgttaa ttatcaattt ccc 523

<210> 29936
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400030h03d1
 <400> 29936

gcttacagat ttggttgagt ggtttaaaaa ttacagagtg gagcttttgg aactttaaca 60
 agtcagcact taagcacaat agccaaaatc atggcccata caacaaggca tacatatttt 120
 gttaggaaac aaatcactgt tctagagcta aagctgttta atcataaata tttactatta 180
 ctactactaa tactatcatg tgaatccaaa taggcatgtc aagtattccc agatactttc 240
 cagagtgctt ctatgatcat cctcgatggg gctgatgctg ctccctgaaa cttagattta 300
 agtgtcaatg tgagaacacc atcacttggt gatgattcaa ctgtttgagc atctaaatgt 360
 aggctgttaa tggatatacat gatgtcatatc agtatgtact tccctgtaag gacattgcat 420
 ttcaatcaga acc 433

<210> 29937
 <211> 553
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400030h04d1

<400> 29937

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gatcaagttc tctgtttcaa tataagtaaa ccttggtgca gaggagttga tttatcctct 180
taaaccttac tgctacatat ctattgtgag gaaattatat aaaattctat attaccattc 240
tatattttat atttattttc atttaatttc cctcaaagaa aataaacaat tcacttcaaa 300
attccaactg aaaaatgact aactttatat tgagagggtg tcccattaaa acaacatttt 360
ggctcaccct tttattctag gaatgcaggc atcaagtaca tttagccaaa tacgcattcc 420
atccttgaag acggtattca cgagctgcct cttctggatt tactgctttg atgatgccac 480
gccccacaat gatgatgtca ctgccctat catggaccac ttttgcanat ctttatctta 540
agcaggaact ttc 553

<210> 29938

<211> 580

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400030h07d1

<400> 29938

ccaaaatatt ggaactacat aagttattta tccaaacttt ttattcatga ttacatagtc 60
tcaaaagcaa taacataaat aatcttacag ttgctgacca gtgggctaac atttgccggg 120
ccaacatcag attttatgca actgggccca atttatttaa aggcttttgg gtctggatgc 180
acccaatgta acatgtgggc tatcatagat tcaaattact atttgtcatg ggcaatttct 240
acttatagaa ttccattact cctaacgtag atgagatgtc actacttgct acatgaaact 300
tggaaaaacc agagctcttg cacaagttct caaattcctt ctgagttctt tcccttcac 360
catgtgctaa aaacatgaca ttgtcgagag tacaagtatg cttagatata tagcttggat 420
tcgggacttc tggattata tattcgaaaa caatcacttt tccatgttgt ggcaaggctt 480
tgtgaaagtt tcttaaaaac tttatacaat cttcatcagc ccaattgtga catacaaact 540
tcactaaaat ggcacnacc agtggaacac tttaaacata 580

<210> 29939
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h08d1

<400> 29939

caaaaaaaaa gaacattttt acttaattaa tcgaaaatag tgaggcaata gaaagcacct 60
 ttcttgagag tacacatcaa cccatgtaca catataacac aaacacctga cactcagaag 120
 tcaatagacc caaacctgac tcgtacaaac atctacgctt taaatgggtcc cggtacacta 180
 ccgcctgtct ggacactatc gtacaacaca atgcctgctt cacatggacc ggtcagaatc 240
 ccagggttaag accgaacatg ggtcttacat tacaccgggt gcaggatcac gttctgtaca 300
 aactttatcc ccttcgagat acctcgtaat gcactgttga actccatgcc cggcgtaaag 360
 ttaccccaa acaccctacg agaccttggt ccttgcgctc gtcaacctga ccctctgtta 420
 c 421

<210> 29940
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h09d1

<400> 29940

aacacaccta tactgaaata acccacaata gtgaagcaat tcaaacaacc tttcttgagg 60
 gttcataaca cgccataaac acatttaaca caaacagctg tttctaagaa aacacaagaa 120
 cccaacagga atcgaaaaca catatacgct ttaaataagac ccgagacact agcagcggtc 180
 tgaaaactct cggactaacc aaagcctgtt tcgcatggac cgc 223

<210> 29941
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h11d1

<400> 29941

aaaaaagcac actgcatatt catcaaagca tcatcaaagc aactgcatc ctaacagcac 60

acgtacgtag aaaggtgaag ttccaggtct tgcacaacat acacaacaca ccataattta 120
 ttttatatac aatcttatgg tgcccaagat gcagatgcat ggactaatta aacaacaacg 180
 ttagtctgat aggcagtgtc catagataaa ttgggtaccc ataaaatggc cttgcttcca 240
 aggaaatggc aaacaggggtt agttccagga tcaactccca tgagttcatg aagcatgtga 300
 tgattcattc cagaagtatc tgagtggcaa acagcaagtg cctgagtttt ggttccatca 360
 ccagccacca atggaaccat gaaagctgtt gtttcacgga ctttatggca gtaaaatact 420
 gcagttctga aatttagccc atgacacatc actgctttgt ctccaagatt ctgcactcct 480
 tccacagtgt attgctcttg cttattgac 509

<210> 29942
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h12d1

<400> 29942

gtataaacca cagtatgaaa cttgttatta tataaaaggc agtatacatt gaacttgttt 60
 attattcttt tcctaataa ttaagagaaa ttacatctt tccgggaaag cttttgtaag 120
 tagcaccaca tgcagagtct caaagtcaaa actcaaagtc aacttatgaa tccacgcaa 180
 agaacttaaa cttttttgag aaactccatg acgtagggtat tgaaagcaca gcacaggact 240
 cggaaacctt ggaatccaga ccctttggcc agagcctcaa actctttctc tgttctctct 300
 ttcccacctg gattatgtgc caacatgatc acatcgatgt gaaccacacc ttttgtggcc 360
 aagctagagt ctggagccac tggaagaatg cattctgcca caattacctt cccattgtct 420
 ggaagtgcct catagcagtt cttcaaaaac ttcaagcagt gctcatcact ccaatcgtgg 480
 caaatccact tcataaaaat agcatcagct tctggaacac tgacaaacat atctccaccg 540
 acatgctcca ctcttgat 559

<210> 29943
 <211> 589
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400031a01d1

<400> 29943

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aatgaagaaa aatttattat aaagggtata aggtcttcta agcgtataaa tagatttaat   60
ggccagtgcac caatataact tcacaccatt taacagaata tggttctagc attgatccaa  120
cacgtttaaa aatatagtag gtcaaggact cccaaataaa gccattcaag tttgaccaca  180
tcttgtaaga aagggtacaaa ctttggtga tttagtatac aaaccacat aaaagtgaag  240
aaataataat aaatactatt tatcatctca gtttcaactt ctgctttcca gatattcaac  300
tgacacaact ctattacttg gggccaatgt ccttaagggc acaaactctgc tctctcccca  360
tggaagacat aacagacaca accagatctt tgcctcagc aaatccatcc ttgatctgcg  420
aaagcagatt ttcacgggtt ggaagcctaa ggtcatcctt agtaccacca gtctcagtca  480
gcagactcac aaatccatcc tctgagatgt caatgagctg gtagtcaatg cgaataacat  540
ggngaacatc acagttatgg gaagatggga caatattctc agctttttc             589

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<210> 29944

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a04d1

<400> 29944

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ccaaagaacc ttcaaagtt ttcataatct tttaaagacg acacaaatag aaactcaaat   60
atacaggagg gatacggggt gtaagaaaca ccggtaaatg tgcaattact caaagggggg  120
tcgatggggc tatggtacga atgtttatct ggaagctaca ttgattacaa atgactaaga  180
aagaataaat ataataggat tcatgaagga gcctcatgta aatattgatc gttaaagtga  240
tctagatgta gaactaagac ctatgccagt gactcctgct gcggaagctg aacacttcac  300
ataaaaattt caattgctca aacttgtctg aatagaagtt atcaccggcg atttgtgatg  360
cgtggtctgg tgcagaaaac acggtcattg gccctcacia atgctgctat gccgatgcta  420
atgccccccc acagtagcta aaagaagaag tgccggaaat catatggaac             470

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<210> 29945

<211> 505

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a05d1

<400> 29945

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gacaatgcat ctatttagtg ccaaaactat cacattgtat aagagtcatt tgaagctaca   60
aaagaaacag ccctttttcg accgtaagag aaaataaatt aaaaaaaaca cacacacaca  120
acaaattcca atataaaca atgaaacaaa aatctagaat gtgttgagaa atcaaataaa  180
gtgcttacag gcagagcagc attcaggggtg aggtagctac tttggctttt cataagccac  240
accaatcttc aacaccagat aagggaatc ttaatctttc ttctcctgag aatcctggat  300
cattgttgga gcacccaccc tagagcttga gcaatctcaa ttacccgaac gctccagtga  360
aaaaattaaa agaatatgtc ctagcttcta aagttgcaaa actccatttg acttgactcc  420
actagtccca ttgaatccat cattcagatc tccttctcaa gtgctgggaa acaggaatcc  480
cttcgaagaa gtccaaaaca gcata                                     505

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<210> 29946

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a08d1

<400> 29946

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gaagtcagaa gttcacaact gcgattgtta aaagcaaac acgcgtaaat atctcataca   60
aataatttaa tgatcaatat ttatcgccag caagaatggg gtcagcccac tgattgaaaa  120
aaacacaatg gagacatttt acatgtgcct taatttccag caaaaaaaca aaagaaggaa  180
aatgatcaga agttgttggt ttaatctcac ccttgataa gtaatcac ttctgttgtc  240
tgtcctgcaa agcatttact gatcaagcac caaaatattg tgatcaatga gcagatgata  300
atgttagtca gtcacttggc accggaactt attcatgggt ccagtgggtg gatgcagtat  360
agcaatatga aggagacaat gtagaacgcc atttttatgg aaattttaag tcacaggcag  420
aagattggca atcattggga agcagttaca gacttagagt gcctggaact ctcacagcct  480
gggcagttat gtaagctctt atgaacgt                                     508

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<210> 29947

<211> 607
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031a11d1

<400> 29947

aagcacaaaa gacgtggata acttgatatt atttattac atacatgcat agatagcctg 60
 ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
 gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatgggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
 taaactcgat tcgagtgtg agctcagcaa gaaggaccaa gtccaagata ataggagcag 480
 cttacagtga atcctcacat gtgttggtgca acacaattgt gttctttcca cccatgaata 540
 tttcagaagt gtactcatcc atggccctt tgctgtcccc tacataaggc acgtacttaa 600
 tgacaac 607

<210> 29948
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031a12d1

<400> 29948

aggaaaaaaa tttagtatcg gaatcagctt gggaaatata gacaaaagtt aataggttta 60
 gaattttcca gtcaaacaca ataaaataaa attaactatg catgaagatt taactatgca 120
 tgttttacta ttagttcctg caattttctt tttgcttgta tgcataaaag aaatagaaga 180
 cacattcaag tattcaactt cagccgtgtg caccaccccc acggtcagac acaaggtaat 240
 taaaatgggg gtgttgaaaa cttgttcttc caagtgaac aaacatttta gagacgggaa 300
 gatgattttg tagaccttgg atctttacta tattcataca caccaatacc tcgttttctt 360
 ccaagtcttt cagcatcaac atactgcaca agtagagggc aaggtgcata tttgttgta 420

ccaagggccag catgaagaac tctcattatt gacaagcaca catccaatcc aatgaagtct 480
 gcatgctcta aaggacccat tggatgggta gtaccagct tcattcctgt gtaatattcc 540
 ttttggttgc aacacccgtg taaagagcaa aaat 574

<210> 29949
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031b01d1

<400> 29949

gtggggggttg ggggggaagt ttttaaggggt ttgagttata caggggaaaa agggaaaaga 60
 agaagggggg caagggggca aacccgggac gggggggggg gcaaaaggtg cccggggggg 120
 ccgggggggg ggggagaaaa aaaggggggg ggggagaaag ggaaaacaaa ttaaccaagg 180
 gtggggcaaa aaaacaaaga aggggggggg gggggaaaaa aaaaaccggg ggaggcggcc 240
 ggggggaaaa aaaaaaaagg gggggggggg gaaaaaaaag ggggggggga aaaaaagcc 300
 aacaagagcg gggggggggg gtccccaac tgaagaggaa gggggggggg gccccgc 357

<210> 29950
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031b02d1

<400> 29950

gacaaaaaat atataactta ttgaatatta ttcactttca ccaaaatctg tcattaccaa 60
 ccagtaatct gatttcatgt ctaacagaaa ccctataaac caatagtacg tcactttaca 120
 acaatttgtc cctgaattat gtaaaacaaa aataatttgg ataattgtatt cttattagtt 180
 taaaaaccct aaaagcacac tagtgctatg ctataatcat atcgctatac agatgtcacg 240
 cttattttta tgaggatcgc aagatctaac atacaatttg gttacaatgt ctctagtggc 300
 tagcaagtct catcccatca tctcctttgg aaattgaagg atttaattgc aaaggcaaat 360
 ataattgcaa aaaatatgca gaagccagcc accataacag cagtaacgca caagaaatca 420
 tgctgtacc caacacgtgt ttgagtacct ctcttatagt catcgagttt ccattagaga 480

gcttcactaa atgagtatca ccaccatact gtgaaagtag gagaccatac agactccagg 540
ctacaggggtt tgcccagtaa tacca 565

<210> 29951
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b03d1

<400> 29951

tcgcgatcta gaactagcgg ctcgtgtttt ttgaaagaaa agtattgatt gctttttaa 60
gcattagcag gtgccactca atgatgacca gtcactacta taggggtgtgc agaagaagca 120
acgggtgggtcc acgattatga tgatcagaaa tcaacttgatc cgacggcaga tagtgattcc 180
atcaccaacc gggagcatgc aaatctcgat cctgggggtcc acagcgaggg ctttgttgag 240
ctccagcacg aagtcctgt agtacctaac atacttcta agaggagcat caggggggtgc 300
caccacagat ccgttcata ggggtgtgtc gtacccgatc acgcccccaa cttttacaag 360
ctctatcaac ctcttgtggt agttgaggta gttgtccttg tccgcatcaa caaagatgaa 420
gtcatagctt tcatggttct tctcatcttt aatcatttca tcaagaactg gtagagc 477

<210> 29952
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b05d1

<400> 29952

gaatataaag aaatcaatta tgtactagaa acaatgatct cacaataata ctactcaaac 60
cataaacgca atatagatcc agaaatcaac atatgtagta ataatctcta catagcaata 120
tcaatatata tagagagaga gggagggaga gagagagaga gagttatata ctaatgctgc 180
tcaaactctcc gcttctacta aaaatccacg catgtaaacg agaaaatcca tgagctacgt 240
tcagatccgc agagcagatc cgaacgcaag agcggctccg gcggcgagaa caccggcgac 300
gaaggacggc gaaacggcgg cggcgggaga cgtagggctc ggagctggag cttcggcggc 360
ggagatgacg gcgacgagca ccgacattac ggcggcgaga aacattgcct tggagaaagc 420

cattggtgaa tatggcagca ac

442

<210> 29953

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031b07d1

<400> 29953

gatcaaacca aatcctcctt agcacaacca cattcattat attacagaga gttggcatgc 60

acaattgcac cataagtga agaggctgtc taatgccata catacagaga gaggcaatgt 120

atctgtgcct gtgcctcccc agagttttta ttattattat tattattaaa ttgggccagg 180

agtatgtatc ttagcaggag aatacataaa gcttaagggt tctcccaatc atgagatata 240

cattataata caagattaag ctggaacagc ttccggcact ttgccattgc ttgagagtac 300

taagctatca tagtattcaa ccagtacctt ccaaccacca gggcacataa atccatcagg 360

agggctttct ttgttccttg ccagtgtgcg catctttgtg cctgatatga acaggaagtc 420

ctgaggcctt gaagggtcaa agaatgccat ttaccctga gtcttgtcat atgcagcaac 480

cctgaaagga agaaatgtta gacgctctag tcccggtgcc atgctcaata ctt 533

<210> 29954

<211> 516

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400031b10d1

<400> 29954

aattgattaa acaaaattta tagaatccaa taaaaatagc atcagatcac atgtctttga 60

tctctaattgg gtaaaatata tagagagaaa atgagcacia ataatacttg ccaaatagaa 120

taagaacctg atgacttaac agagaacaaa cattaactca tcagagtaaa tcagcaacat 180

ttgatggcag ctccctttaca gtcacattgt agaacttctg aatatcagac agcatcctgg 240

aatcatctgt cgtgacaaaag tttatagcaa ctccctttct tccaaatcga ccactacgtc 300

ctatgcggtg gagatagttt tcagggtggg ttggcagatc atagtttatg accagagaca 360

cttgcgtcac attgatacca cgggccagaa ggtccgggt aatgagaact cgagaagagc 420

cggaccggaa ttcacgcatg ataatatcac gtgtgtattg gtccatgtca ccatgggtgg 480
canagactgt gtggtcattg cttcgcatct tggttag 516

<210> 29955
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b11d1

<400> 29955

acaaaccagt agttaatatg aatatataag attggtctgg tggatgaatga cgaaggggaag 60
caagccggag agagattgca ggttcgaatc ctttactaa caatactaac aactatttgc 120
cgataaaaag ataaaacagt agttaatata gttatagcat cacacactac actgtcattc 180
gctacttcac aattagtggc ccattactaa caagagtaat taagaagtat cttgagcaac 240
aaacacaaac agaagaaaat tgataactga actcacagag tcagagttca aagagccacg 300
gcaactccta ggtcaccacc gccatgaagg ttccagaaaa cgttgcctgc gtcacgcggac 360
ttgccggtgt caatagcaac agcgccaaag attgctcggg aggcgcgcga aacgacggcg 420
ggggcggaag aatttgcctt gggcgagacg c 451

<210> 29956
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b12d1

<400> 29956

acccaagtcc catgctatct aaggcacctc cacaatccac ataagtaaaa ttcattatac 60
agtatacata ttgttgatgt ttgggtgaga gggggtgcga attccaaata ctctgtaatg 120
atgcaaagtt tcaaacataa catgaaatgt gtccgattta ctcatcgtcc tcaagctaag 180
tcctgataca caggactaac ctcaagctga tctgcgaatt tctcgaggat attcttcaca 240
agttttgccg gctcttcttt atctaattcg gcaccatctt tttcttgtgt tatttcagca 300
aaaacagcgt cataaagaag aacaactgct tcatcagctt gagctagcgg taaacccaat 360
tcctttgcgt ttctctcaag gaagctcctt attatttctg tgctccctag tccatccttt 420

gcttcccgtt tttcctgcaa tgccttcttc caacgggtgt taattcctgt tcattggcca 480
 atagccgtct tagcttagag ccattaatga ttogaatatt ctggatggaa acaacattc 539

<210> 29957
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c01d1

<400> 29957

gccacttcaa ccaaaggggg aagccacgag tcaactgccct tgcacattgt ttagtacag 60
 tacttttaat tcatgaacgt tttttttttt taaagggacc ttattattct taagaccacc 120
 ccaaaagaga aagaataatt tgaacaatat tgccactaat aagggccttc aataattttt 180
 ccttttgagg ggtatacggg gggtagccta tggtagaatc tgcattaaaa cttttataga 240
 gaactgactt cctgtggctg aaactatcaa aagagaattt tccatgggaa caaccattc 300
 cacttttttt aactcctcca aaaggcaacc cagcagttgc aacatggatg acggcgatc 360
 tgatgagcat cctccagaa gatattctat ccacataatc cttcttcagc tgctcattgt 420
 ttgtgaagag atatgcacca agaggggttg gctttg 456

<210> 29958
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c02d1

<400> 29958

acaattggcc cataaaacca aagggggaag cccacaccca ccgcccttgc ataataaat 60
 agggcacaac tttaagacg ggctcgcaag aaccattccc caagctccta ataggccttg 120
 ctacctcca atcaaaagca gcatatggta agcaaaattg aactaaaaa gggccctcga 180
 gtgcctattg cctattggtg aagccaaggc ggaacctaaa ggctctattt tataacaaac 240
 ttattaaaag aacagtcata tctgcgggtc aaacaacttt 280

<210> 29959
 <211> 574

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c03d1

<400> 29959

aagaacttgt cgtaacaata ttataactct cgctaaaaat aggtcaaata atggaggtcaa 60
 ccagcacaga aatgctctac aataactact gttaaattatt tgcaactata acttcaattc 120
 cgtgctgtgac ttgtatatgt taattataca tttggcattg agatccaagc taagtcaaaa 180
 atcaaagtct aataacatat acaattgggtg gtaagatttt gcaattttaca tattcaccat 240
 gatgggaatt gagaagaaaa tttttaccca cagcgaagtt tccaatgggt cagtgtccta 300
 gttttccttg aagattacat ttataaatca tggaagttcc tgaaaagtca atttctcaca 360
 gcattttttt catgttcttt ctattttcaa atcctttgac cataattttg actttggtat 420
 atgtatttgt tgcttcattt caatataccc atttatgaag tagagcaagt agagacaaaa 480
 tcatcaccca agttgatgtt aaaccacaag caaaagaaat gtagttgaaa ccaactaaat 540
 ggactgttcc cgttcgtcga tccctcactt taat 574

<210> 29960
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c04d1

<400> 29960

gggggggggaa aaaccccaaa tcacgggttt taaatagggg agaaacaatt attacatttt 60
 ttacaaattt ttacacaaa ataaaagata cattgggttc tggggtgcat aaactttatt 120
 ccaaaaattg cttttttgca tttggggggg gcaaaacaat tgggaaaact gggttgaaaa 180
 gaatatacca aactggcttc atttgggaaa tcagcaacta ataaaatgac tcaatctaaa 240
 gcatttatta ctggatccac aaccttttgg ggggggcttg gccctccaaa aacctttggt 300
 cggcatttgc cctccaaaat gacttttttc acagcagttt ccaaacgggt agcaaatgca 360
 ggaaactgga gatgcct 377

<210> 29961
 <211> 422

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c05d1

<400> 29961

aacaaaaatc agcccagggtt aatttttaaag gcccaggaac ttattttaccc ccgctttttt 60
 tacaggacca aacctttttt tcaacttgggg gctaaacccc aaccttaatt atttccaata 120
 caagaaaaaa acaagttccc cccgaattta atttaataaa agacaaaagc ttggtccccc 180
 agaagcctgg ttctgcattc tctccaagaa catttttatt cagggttggg gtaacaactt 240
 agttccctta ccccttcctt tttttgggct cgacaggggg ttccttaaaa aaccaaagcc 300
 tatttggttt ttaccgggca caattgccaa agagccgggg ggttggcttc tatcaggggg 360
 ccccgaaagg agacttttgg gacttggcag agatttttcg ggttcaaatt gaagaagggg 420
 gg 422

<210> 29962
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c07d1

<400> 29962

cgattaagcg aagttcttca tataacaacc acatttataa catcacagaa aggtggccag 60
 gataaaccca ccatccgggc tacaagatga ctgatgccat acctccacgg aaaagcaatt 120
 gcttggaccc agagacttct catagt 146

<210> 29963
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c08d1

<400> 29963

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 cggcattaaa actctcaaaa aaggtagatt cagtcataac ataacatgac atccgcatgc 120
 tgagatttaa caaaaaata gtctaataga agaaatcaca ttcatacata cattgaataa 180

cacttatgtt caaaaaaatg gattcaaattc aaagcaagtgc gcagcaaattg tagatacata 240
 aacataatct aaattaaata ttcaatagga agagtgccat cagaagagca ccagcacacc 300
 aaaagttgcc aagacaaggt tggcccagat tccatagctg atgagcttgt gagaagagga 360
 gccatcatga gtggatgatg gagatgatgc tttgctatct gcaactgtgtt cagttggaga 420
 atcagcagca ggggcaataa taggagttgg tgcacgagca ggtgcaggag gtatattaat 480
 gccaa 485

<210> 29964
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c10d1

<400> 29964

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 cggccttaaa actctcaaaa aaggtagatt cagtcgtaac ataccatgac atccgaatgc 120
 tgagatttaa caaaaaaata gtctaattga agaaatcaca ttcattccata cattgaataa 180
 cccttatgtt caaaaaaatg gattcaaattc aaagcaagtgc gcagcaaattg tagatacata 240
 aacataatct aaattaaata ttcaatagga agagtgccat cagaagagcg ccagcacacc 300
 aaaagttgcc aagacaaggt tggcccagat tccatagctg atgaacttgt gagaagagga 360
 gccatcatga gtggatgatg gaaatgatgc tttgctatct gcaactgtgtt cagttggaga 420
 atcagcagca ggggcaatat caggagttgg tgcacgagca ggtgcagga 469

<210> 29965
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c11d1

<400> 29965

atcaacttctg tttccttctt ctcttcgccc acttcaactt ccttcttctc ctccgtccct 60
 tcaacttcct tcttctcttc cgcacttca acttccttct tctcctccgt cacttctgct 120
 tccttcttct cctccgtcac ttctgcttcc ttcttcttct ccgtcacttc aacttccttc 180

002230-ETFE560

ttctcttcag agacttcttc ctctctcttc tccagtgcct tgagttccgt tttcttcttc 240
tctgggtctg gtttgggagc agttagctca tgggtgttga gcgcttcttg aacaagcctc 300
ttgagctcat caagggtttt cctctgcgcc tgggggaggt cgccaaccac gttggtctcc 360
tccttgaacg aaaccgattg ggaaatcttg tcttctgcac cactctgggc cttctctgct 420
ttcgccacca cttcttcgat gctttttgca tttgcttcaa cttcagcttc agcttcagct 480
tcagattggg aaatcctgtc ttctacacca ctctgggcct tctctgcttt cgccccactt 540
cttcgatgct ttctgcattt gcttcaactt cag 573

<210> 29966
<211> 164
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d02d1

<400> 29966

attcaacaaa catttaatta ataacaagga caagtttaca tttttttttc caccttacat 60
atgtacaatt gcaagcaatc gcacggcttg agagtcataa tattcacccc tccattcttc 120
ttcatgctac aaattatatt atatttaatt cccacatttt tggt 164

<210> 29967
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400031d04d1

<400> 29967

gaaaattacc ccttgctagt taggtgatga tatattcaaa ctctgtattg ataatcacat 60
tccctcctct ataaccaa at agaaaacatc caatcaaggg gtcatactg ttcacattca 120
tcattcatca caccctttgt ggcagtagaa acatggagag aaatcataga attagtatta 180
acaaatacca ataatgctag aaatttccat taattaggaa aaaagaagaa cttattatca 240
agtttgaaat tgcataagag attgtaggaa ctagctagga acaaccataa cagactacaa 300
atagcagatg cacacacatg catacacttt taaagatgga aaagtttatt tgcttgaata 360

agttgaggat catgctggtg ctttgacgag gttagatggg aaatccagca ccacaatctt 420
 ctcaatagca ggtgaaaaca ctcccagagaa ctcaagatga tttgggtgag tctgaaatgc 480
 gttgaactcc tctttcccat ngaatgtcat caagaaagca tgagtgaaac cttgtcttag 540
 catatcatga ctt 553

<210> 29968
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031d05d1

<400> 29968

gcaaaaactg cattttcttg gacttatctc tctttcaact gtaactgtac gcatagatgc 60
 tacattttga tcaaacttca aagcatgaat gaaaaaaca aaaaatattt ttacagactt 120
 ctgtatatat ttgcaatgga tatttaatga gtacaaataa agattcaaac atgcgcggta 180
 aaaattaaca tgtcatcttc atgtgtcaat gcttggttaa aagataacct gataaatacc 240
 agtatatgta aagctaaaat atagagcacg aacgccgacc tgagtagcat aagcctctgc 300
 tggctttcag ttcggccagc agaatgataa ggaagcctct gatgaccttc gtaatctgac 360
 aaactatgta acttatcaga ggagccttta ctgaaacgat tcctagcagc agtggttcgcc 420
 tctgaattgc tactctccgt tcgtcgccat agcccatcca atctttcgag ctcca 475

<210> 29969
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031d06d1

<400> 29969

aattaagtga atttttttat ttataaaaca gagttattat ctaacagaaa ggaggacacg 60
 ataatcccat cctccgggct acaaaatgag atatgcctga cctctaggga gaagccaact 120
 gcaatttccc tgaccatcat tattgtggta actgttgaca cacagagcaa attgacccaa 180
 aaattcgggt gtacccatga aataccgatt accacacggg ctcagattga tctgaacttg 240
 ccattctcat catggagggt atttgaggca caatcagcac tgttcgagtt ttcgggtggag 300

gtaaccaaag atggctttga accggttaacc gctatctcca agagggct 348

<210> 29970
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d07d1

<400> 29970

aattgttggt ttttttttat ttttaggagt actgacattt taattgggtg gaaccggtag 60

ggcaatgccc gggggcaata catgaa 86

<210> 29971
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d09d1

<400> 29971

gaaagcccat ttccaattta aaataaagct ctaatgacca gcacatagcc atgatttgta 60

aaaatccagg acccctcttt aaaaaagtta tgactcgtgc ccaaatagaa aattcctttc 120

caaccatgag attactatcc caagaaaaaa aaacatgaaa aaaaaggaaa ttctgattta 180

aaggccaagc cctggccact cagtcattgta ccagtattgg gcagggctgc cattaaggaa 240

ttgtaagaag actcaagatc aaagggaagc tgccgtccct gttgttcagc caacttatca 300

gctgcacca tcttgataa ccccgaatc cactccttca tttagggttt ccccttaaaa 360

tcaggtggca ggaaaggcaa ctttttgagt gaagcataaa ggtccttgac aacgggtgcc 420

cctgatccac agcccccatg ttaagtttca agaaacctgg gagttttaaa attttgac 479

<210> 29972
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d12d1

<400> 29972

gggcttcatt atggatgagg cacttattat aaaaccctt catttttgat tcacaaaatt 60

gctaactaca aaaaacttga ccaccacgtt acgcaaatac atgttcttat ctgaagaggc 120
 cgaaaaaaat agtgataggt ggcacctcgg tctggaagag attgagccgg cctgatactg 180
 aatgaatgga gtttgccctt cgaaaaaggc ttggaaagga tgctacgctg aatgcctgct 240
 ccaaagttcc cgcattctatg cgtgaactgg gaggcctcgt aaaagcactt atgcgggggtg 300
 gagtttacca ttattttacca cgaacatagt gtacgccaaa gagtttttcg gatgacggga 360
 ctaagttggt ttctttttgg gtaccggg 388

<210> 29973
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400031e01d1

<400> 29973
 gattaatatt accaaagtca ttctttaaaa ttccataaca tacaaaagga gttcaatcgt 60
 aggatgccag ctcttcaatt ttatttgtaa tctagaattg cccttacaac ttacaaggag 120
 tattttataaa ttatattata taataatggt cgtacattag ttgaaatgat attcatacct 180
 gtaaacaaca tcttatacaa ccaattccat aatttagatg tacaaaaaga aggtgttaca 240
 tacaaaagaa actagaaaac aatagacatt gccaaactatg actagtgact acaccttcat 300
 attatattat ccatttcac ttctagacaa cttcattctg tactaggacg tggaataagt 360
 gagcttgga ccagactttt atactatgat ttgctcttct ttcaaacgca aatgtacagg 420
 tcttttggtca gtacttccaa aatccatatt cttgagcaaa ggatgtttct ccggcaccac 480
 attatgtggt tttaatggca ttgaatngct actagct 517

<210> 29974
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e03d1

<400> 29974
 aaaaaaaaa cattatttct attaagccag tgatgttttg aatcttaaga cattgacact 60
 agaactcgaa gagagtccaa gcaaaaggaa gatacaaata ttggagaaaa catcaaagat 120

ccactgtccg atccagactc gcgtggggta ataatgcgaa caacctatgt catcagatgt 180
 cgttttaaatt tctttgtcgt gggtagtaaa ccatgattgg ggcagaacaa tcatattgtt 240
 tccaccaaaa ccataacttt ctgatagact aagaattcca tgtatttaca gtgtgagggg 300
 ggggcgggaa gatataaatt gttatgaaac agatgatgag tattgaatag agtagcagat 360
 ttgtaaacad tcaagtgcac cttcacctat aacaagattg cgagaatata gacacatttg 420
 agctaacaat tgcagttgat acctagattc ggatcctagt ctatgacaga ctgcgacaat 480

<210> 29975
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e04d1

<400> 29975
 aaacacacac atctgcactc ctttttattg caagagcaat tcactgtctc ggaagaaaat 60
 gaggaatcaa aaaagtagaa ggaaagcccc agcaaagaaa tttcaacagt aataatgtct 120
 tgggagaaat aaatgcaaaa tttcatagga gtagtgccat aaaacctttt ccatgatcca 180
 gaaaacaaaa aaagcagaaa atccctgctc tactcatact ttacaagtgt agcaacaaaa 240
 gcactgtaag taggggggag gacaaatctt tatectcagt atgatttccc acaatgtatc 300
 aagcttccag cacccaagaa aagacaaaaa atagcagcac ttccaagtgt agtttgtcca 360
 atatgcctaa ttttcaatag tccaggcacc ttgtacctaa tagcttcata tgttccatac 420
 acagcaccga cggcgccgcc gacagcgccg cccatagcgg cgccggcggt gacacgagtg 480

<210> 29976
 <211> 121
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e05d1

<400> 29976
 ggggttgtgt tgtaatatct tggcactcac ttttgtccca tggtcgggga aaatgaataa 60
 ccaatgattt atgtttatgg cgggaccact tcgtgagatt tcagggccgt ggaaagagta 120
 a 121

<210> 29977
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e07d1

<400> 29977

gtcattgact ttttttttat ccacccccac taccctatc cccccgtcc ctctattttt 60
 cggcaaaacc caaactaggg gaacaccaag ggcaccgtct ccccccccc ccaaaaaaac 120
 aactctcggc aaggggaaaa ccccccccc agaaaacgaa aaaaccgggt gggggccaac 180
 acccccccg agaaaattta caacaaaaac ctgggggcca caacaatgta caaccggcg 240
 ggcccccagg ggttttgtcc ccccccaaa aaaacaaaac aaagaccccc cccccaaaaa 300
 aaaatcaacc ccccccaag cctctctttt tccacaaaac aaaaccccc acagggggaa 360
 aaacaaggga ccccccaaac ccccc 385

<210> 29978
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e10d1

<400> 29978

ggagcaaagc actaatatgc agagagaaaa ttaataatcc agcaagagaa aatggtgaca 60
 tacaaaactg tatcgtaatg gagttgtcaa caaagttaac agttgcacta gaattgagtt 120
 taaaaagcca aataagcaca aaattaacac agaaacagct ctaacaaatt tcatgcatta 180
 ctataatcat taatcaccca aacctaaaat cctccaaaa agatctttat cactttttctc 240
 aaaactcagc ccttcaaagc ttgcttttcc tttgtctttt ggatcttcaa tacctttttc 300
 acaatctttt gctcttcaac caagaaagct cgaatgattc tctctctaac agcactgcc 360
 gacaacacac caccatatgc acggttcaca gtccttcggt ttttgggtaa ccttgatctc 420
 ttatattctg ttggccttaa atgtggaatc ccttgaatcc ttttttcagt gacagggcac 480
 ttgggtccgc tggccctctt ctctgtgtct gataaacaag cttgccaccg ggagtcttga 540

<210> 29979
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e11d1

<400> 29979

attgcaaaac aaatgctctt gttttattta tatttgatta tttgactttg gcattcctcc 60
 tggcaaaatt gtccatgcaa ggagctattc cgcaaaacaa caatttccgt acaggacaca 120
 attccactaa tagtgggagg gcacaatgcc aaacatcgat cattgcattt tacgtaagac 180
 agtgtaatgc acaactttgt ggacctatat atgcaatggg gcagtacatt atagataagg 240
 cccgtgaagg tgaaatcatg ggtcagggaa tttagaagat agacatgcat ctacggcttc 300
 agcaacagta aggaaaaccc actgccttcc gattttatcc acaaaatgtg ccactttgag 360
 cttgtgaatc actagccacc ttgggttcac catagccaat tgtacgccac gcgagagcaa 420
 cctcttgtgc agttccttca gtattagaat cccagaagta tcaacattca tcaagttgct 480
 catgtctaag attactgctt ggactcttcc cttagcaagc tcgttttctt cttccgcgac 540
 ccattttagt attctttctc taacaaaatt tgcatttgca aag 583

<210> 29980
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f03d1

<400> 29980

aaaaaaaaag aaatatttta tatcaattta ttataaacgt taataacatt cattatcaag 60
 tccattacgg atcccatcag caacaaatca tgaaggaagg acatcaccga gttttcttta 120
 ctcttctgca gcactagcag cactaagatc cacactcagg tcaataacct ttccagttat 180
 caatgtatac atgttgagaa catcatccac ggtcgactca aagtgagtag tagcatcata 240
 acttgttgat acaaagcagt tgtccaaagt gggttcattg accggttcat atctgtcata 300
 gatatcaaaa aatatctcat caacaggtcc tagaagggtca attccagggt ttagttcaat 360
 tgctgggtga tctgtctctg cctcggttga taaaaatgca ataaattttc cctttggagc 420
 aacattgtga gtatatgaac aacaaaatag gtacatgtct gacttccgac ccaactgttt 480

ctgttggtaaa ataatttgca ccgaatggga atcatcagt

519

<210> 29981
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f04d1

<400> 29981

gcgcaacatc aattttatat ctgatttgat ctccagaagg aagatgcccc ccttatttat 60
tatctatata tacaaccggt tccatacatt tagagaacta aggaaaatcc aggtcgtgat 120
tcatttgaca attcatccct ttgttggcgc attcgcgctg cccatgacat attccctcca 180
acaaccttgg tggtactttt ttttttcagc tttgacagtt gaaatttcca cctgactttc 240
cattcccttt ttgtgccaac cccctgatcg ggataattat agcggcaacg agcgttgaag 300
gccaaagttaa tgcccctggc catggcctta tggaacatag cttttcggga aggaacaaaa 360
aaggtttggg aggcctcctg cacctgaata aaccttttg 399

<210> 29982
<211> 407
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f05d1

<400> 29982

atgagaggaa attgtttttt tttttttact agatataatg taaaataata agacaccgta 60
ttataaaatg cacaggctac atccgtgagc aataataata atttatgttt aaactgctac 120
tagtaactac taagctcggc acatgcaaaa aggagctgga tacatatata ttgcttgatt 180
tggtgcctc agccttagat ccccttgtct attttgggtga ccgtcaccga ctgcatcctg 240
aaactctaga cactgtatgg gactattcag gacggggctg agccatctat gccgagaaac 300
ggccttatag tcgatacagt gcaagtctgt tcggtgtcca accaatgcat tgtgcgtatt 360
tcccggggaa gcagggatga atatgtggct atgcacgcca acatatt 407

<210> 29983
<211> 305

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f06d1

<400> 29983

aagagtggaa attgcttttt tatttttact agatataatg ttaaataaaa agacacccta 60
ttctaaaatg cacagggtag attcgtgagc aataataaat atttaagttt atactgctac 120
tagaaactac taagctttgc acatgcaaac aggagctggg tacgaatata ttgattgatt 180
tgggtgcctc agccttagtt ccccttgtgt attttgggtga cctataacca ctgcttcctg 240
aaactctgaa cactctatgg gattattcag gaaaggcgga cccatcaatg ccataattgg 300
tctta 305

<210> 29984
<211> 353
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f07d1

<400> 29984

aagaaaggaa atatcttttt tatttttatt agatataatg gtaaatagata acacaccgta 60
ttataaaatg cacgggctac atacgtgagc aataataata gtttaagtat caagctacta 120
ctagtcacta ctaagcttgt ctcatgcaat ctggagctgg atacctaaat attgattgaa 180
ttggcgtgcc tcagccgtag atcccattgt ctattttgga gaccatcaac cactgcatgc 240
tgaaactcag accactctat gggttttattc aggaaaagct gagccatcaa tgccgtgagt 300
gggtcttata gtggctaaga caagtatgct cggtgtccaa ccaatgcatt gtg 353

<210> 29985
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f09d1

<400> 29985

agtgatgtga attattcata ttgaaagcca ttagcataca tacatacata cagatgcacc 60
ataacctttt tctatgtaca aatattattt cccatatatc gatatatcga agtgggtctac 120

tgaataaggg aggactattg aattctgcac tgtcaaagt tgcattcctt aatatatttc 180
 ggaaagctta ttttggagta taaatacata ttttagaatt aactttgcaa aatataatgg 240
 tgagaatgca taaatcgaat gttataagt agatacataa taacagcaag ctctattggg 300
 ttagaacaaa ggcaaaccat gaagagctga cgacacttaa gtgggccttt gaatttgggc 360
 catacatttt gcatagccca taatgacag tcatgttcag ctgaacgcaa ttgga'cttcc 420
 aagcctatgc tatacatctg ggcattccca acgtg 455

<210> 29986
 <211> 586
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f11d1

<400> 29986

ggacagaagt acaacgcata atcttttttt ttttggcaac agttccattg aaataattct 60
 tatctcatgc tgccacagag catatttata caaattatct tgatatcttt ttttcccaa 120
 acaaaagaaa aactacttgg ttatgctgga tgttttctaa tcacaacgga aaggataact 180
 ataaatatta ctttggtaaa aaaaaaaact aaatattact atcaataccc atgttcttca 240
 agaatacaat ttcacccgta actccgtaag cagtgttaaa agaaagaaca gaaagtaacg 300
 cgaagaaaac aaaaatgtcc acacgactgt ctcacttct gaccaccagc ctgagttggt 360
 tcaaccacct cagcttctaa agtttctggg gtatggggct gggttactgt ggactggaac 420
 tgaccaggtg tggaccattt accagtgaga gccataccca tcatctcata tatcttccct 480
 ccaagttgtg ctggattatc aggcgttaaa cactggaaa ccaaagcagc atcatacaaa 540
 agatcaatag ctcttagggc atcttcatca tcgggatttg gtttaa 586

<210> 29987
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f12d1

<400> 29987

atcaatatat ttatcatagt cataacggaa ataataggtg ctcaattcag ttccagaata 60

gggggttaatt tttaaaaaat gacttaagac tatga

95

<210> 29988
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g01d1

<400> 29988

gatcacttgg cagaaagaag actctagtat tctctacggc ggcaaaaaaa tatagccaca 60
aagcatttta caccatgaga tatgaaatat caggcattgc aaaaacccca ggcagcccac 120
caaccatgta tttacttgct ggacctcgta caaccacgg acattaggac aatgacaaga 180
cgttgacttg tcccccaact gctgtcgtgt cataaaggag gacttcacag atagaccaac 240
caaaactccc cagtagagca tgaatatctt ctaattaaag ttgaatccac cggacggcac 300
agcaggagcg ttactgctac caaagttgaa ccctgactga gaagcatccc ctggaggcat 360
aggctcatct tctgtctcca accagtgtgt ctcaagaatc ttgaccgctt ttgcgcaaatt 420
ctctgtgttg tcatgactct ggaggatctc aattttt 456

<210> 29989
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400031g03d1

<400> 29989

ggtattcaat gttaaaaata gaatacatgg atgcaaaatc gaactcaaga tacatgagct 60
agggtgggtt gctattagac tactttattc gccctattct tgatcaagac ctctgcttca 120
atataagtaa accttggagc agaggagctg aattatcctc ttaaacctta ctgctacata 180
tctattgcgg ggaaatcctt tgaaattctc tattaccatt ctatatttta tatttatctt 240
catttaattg gcctcaaaga aaataaacia ttactttaag aatttcaact gaaaaatgac 300
taactttata ttgagagggc gtcccatata aacaacactt tggctcacc ttttattcta 360
ggaatgcagg catnaactac atatatccaa atacgcattc catccctgaa gacgggtattt 420

accagctggt tcttctggat ttactgcttt gatgatgcca cgctccacaa tgatgatttc 480
actgcccgtat tcatggacca ctt 503

<210> 29990
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g04d1

<400> 29990

aaaaaagaca cttttaagtt tctgtattatg aaaaaaatatc ttgccccat gcttgcaaaa 60
agtaaaacca aattttgaat ttacgaattt aataaaatga tgcaacatgg gaaaaaaaaag 120
ccctttgata aaagaatcac gaatgtaaaa gcaaaactgt tataaaagct cagtgtcggg 180
agggaaaacc atcaccccat ttggggggtt tctgggaaca actgggttct ctgggaatac 240
ttaggggggt taccgccatt tagcgggatg atgctgggga ccttcagggc actaaatgtt 300
tcagttgcta taaaacgaac tgaaatgggg aagaatgctg atgattccgc ttggggaaca 360
acaaattcca tt 372

<210> 29991
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g05d1

<400> 29991

aggagtggaa atagcttttt tattttcact agatataatg ttaaataata agacaccgaa 60
ctataaaata cacaggctac atccgtgagc aataataata atttaagtat atactactac 120
tagtcactac taagcttggc acatgcaatc aggagctgga tacgtatata ttgattgttt 180
tggttcctc agccttagtt ccccttgtct attttgggtga ccttcaacca ctgcatcctg 240
aaactctgac cactctatgg ttttattcag gaaaagctga cccatcaatg ccatatttgg 300
ccttatagtc tttaagttca agtatgtccg gtgtccaacc aatgcattgt gcatatttcc 360
tggggaagca gagatgaaga tgtcactatg caagccaaca tagtagtcaa gtgcagctaa 420
tagagaagct tttcccttta tctgagaacg ctcttcagat gaagca 466

<210> 29992
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g06d1

<400> 29992

gttgaaaaga taattttattc cattctctgg catgccatta tatatttgat atcaacgatg 60
 acttgattac attgatccga atcgaagagc aagcgatata cactgcatgt ttgtgatctc 120
 caggaaacaa acaagaagaa aaactgggca tgcatgccaa aggaacaata gatttagatc 180
 acttgagaag gaattttttc agccaaaacg cagaggactt agggatatcta ctcaaattgt 240
 tcttgtaatc cacatatatg atgccaaatc gagctgtgtg accagcatcc cattcaaagc 300
 tatctgaaaa tgaccatata tagtagccct tcacattaac tctatctttg atcgcatgaa 360
 gcagggattt gagatggcca tcatggtatc taattcgaat accattcttt cgggc 415

<210> 29993
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g07d1

<400> 29993

ggatgcagca agttcaaccg ttcatatttg gaactcaaat ggactacaga actgtattca 60
 aaaggacgtc cttcaaattt gaaattgtca ttatctctgc ctttccagca aattttaatc 120
 tataatgcaa gagacgacct aaagatctat cacacgtgac aatttctgga tccgattcag 180
 caggaagccc ctttgcttaa tagttgcttg gtaaagagca ttcttagcat cagggcgatt 240
 cgtttcacga acacctgcaa ctttatcaat cttacaatga agcttccttg ctgcaataaa 300
 acgtgatagc tccacatcaa tgaaatctac tgtcactcca aaggcttttg ccatggcttc 360
 aatagtcaca ctcttgtaag at 382

<210> 29994
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g08d1

<400> 29994

gaatagacca atcgggctaga tattaattta ggttttcgtc caagtttaca tgtatagatt 60
 ttaatgcttg aaaaactgcc aaaaatactc ataacgatgc tatgattgat gtgagaatac 120
 aaagaatggc aactgaaatt tctaattggct aagcagataa aaaaaaaaaa aaaaccctta 180
 atcaaagttc aaaagaatta cgtttttcta tacctaactg gtcatttatc cagctcacca 240
 gaatgtccca agattttcaa gacaaactat cctccaaca gataagtatt gatcttgctc 300
 aaggcatatc tttatattaa aaaaacaaca ccaactggaa tgatgtttgc ggagactctt 360
 catccattgc tcttcaaata ttgagcagtc tgctttctca tcttttcttc aatgctctgc 420
 cagtaacttt ggcagctgca atgcaacatc ttttaattta ttatactggg aactgtctca 480
 cac 483

<210> 29995

<211> 596

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031g11d1

<400> 29995

gttatccaaa ttgaaacaag aaattttatt gccatcgtag ctcaattaca tttagtctcc 60
 atcttgcac ttgtaatttt gctatatctg agactctttt gtctgcttca catttctata 120
 gcaaaacgta aaatagaaac atctaacgac caattcgtac acaaggtaca cgtacaataa 180
 caacagtgga agaagaaatt ggtacctata aaaatacact ggatcggatc gagtagagta 240
 tacataccac aagtgtcaat aacatattct ttattacact cattttaaca cattttttat 300
 gattagttaa aatttattaa aaactataaa atcacattaa aaaaataacc atgaattttc 360
 cagatttaat tttcaataaa ttttagtgac gaaatatttc atatgtaact tttgaaaaat 420
 tcatcactaa agtttttgta actttagaat tagtgacgaa aaggcaatac atcactaaat 480
 tccgtcacta ataaacatat ttagaagagt gtattagaaa atatgttatt aacatttttc 540
 ttgtctgaga ttagttttaga cactaacgga gcaccgtgg ataacttgga acttga 596

<210> 29996

<211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g12d1

<400> 29996

gatgttaaaa ttgtatatat taattttattt ttattacaac taacggacat atttgggtact 60
 accaataaag ctacgaccgg ggtaaattaa aacgagaacc ctccagggtta tggatcat 118

<210> 29997
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400031h01d1

<400> 29997

cataacttct ttggcttctt gataaaacaa aaaatacatc agaatatcta ccccttttagc 60
 cgatcaaaac ttttgttttt gtttcaaadc aagctgtctt gaataatagt atagccgtat 120
 attattatgt atgtacgtag tagcatcatc aatctctggt taattaattt atttccgcac 180
 ccagagagtg acgctaaagc gcaagaatcc cagttgaaaa tatttgttcc cttgtatatg 240
 gcgaacttga catttccaca gaccttgaag cttctgaact acaccgttcc ttccttttcgt 300
 ccatcgttat ttgactcgaa cgacactcag ggctacaaaa cgctttctct cctctgtaca 360
 tgtatatgtc tttgccgtgg agtttctttc cacataagtg acatgaactg agaaaactcg 420
 atgtggggta cgatgattcg ggctcaatca aaggttgtgg ttcggttctt ctgagaacta 480
 caancgttgt tttgttggtg gtggtggtgt tttgtcttcg aataatatca cctttcacac 540
 catcatagtt taccttagtg aacgttttgt 570

<210> 29998
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h02d1

<400> 29998

aaaaacaata aagtaactgg gtaaactgta atcatatgta cttacaaacg ggaaattaag 60

ctacttatgt tggttggtac agcactagaa agaaccacct aacaaaatta actggtgaaa 120
 ttaaactacc ctgaactgaa gatcctattc ctaggttatg acatgttttag agccgccact 180
 ttatgacctt actatgaagt attctttttt caaaatcttt ttatgctctt cgatatttct 240
 taagaggggt tcagtgtcta ccaagcaatg acattggaga taagaaaaag aatagtgaat 300
 gtgtaatagc cagcttttgt aaccattagt agcagaataa aaaaatcagg ggtttctcat 360
 gattatggta tgccagccaa aagttctcga gaccctgtta gggttcctgg gacacgttgc 420
 cttatctctt aaaagcacac attgtttgtg agtctaattc tccagtaaac tgatgagc 478

<210> 29999
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h06d1

<400> 29999

gaattgaaaa ataataaat ttaaataat atcttcaagc aaacaaggtc gttatcctaa 60
 ctggatattc cagtctatta atacataaat caaacgaaa gttacaagaa aaaaagggtg 120
 gaatcatgaa atgcaaattt gactattaga gtttacaata attcaaagaa aggaaagcat 180
 taagccaact tatgcttcaa ggagatctag agtatttgtc tgaggaacac ccacataaac 240
 tacaacttct tcaatagcaa ggaaatgata aaaataaaga aggggagggg aatacagggg 300
 gaacaaaggg cagtcaaag ttaacaccta gtgaatcaca atatcgaaca ggccttttgt 360
 gctttaccct tctttttctt ctgcttaggt ggttgaagga caactcttat ggctgcatca 420
 aagactgcct tcacgttctc ctgtgttttt gaactgcatt caatgtaagc tggcgcatta 480
 atcagcttcc taagctcttc tccctgagct gtggtaatag gtaccgcacc aggatgggtca 540
 atgcagaact gcttatcatc ccgaag 566

<210> 30000
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h08d1

<400> 30000

acaatataat aataactttc aaataataat tcgaatccaa agataatata caaaccttaa 60
 tttaaaaaaa aaaaacggac acaagaacca acatctcttg tcagtattca cataacataa 120
 aaagacattc aatatgccgt gagcacttgg taactggcgt agaaaacata cgttacaaca 180
 agaggggtcaa taataaaactt gatacctact ccggggccttg catttgaacc atcatatgtc 240
 gaccctgaga attcgggtaa gtaacatttt gtgagaaaga accttgatga gcaagctgag 300
 cattaggact tggctgaaca tctctcttag cagatgagtc tccacccttg gcagagccct 360
 tcgtatcacc ctccatctct cggtatctag tgaggtaaatt tttaagagga tccatataat 420
 cctcgaaacc gagagtggcc atcgcccaga gcaaatcatc gccgttaata gtctttctct 480
 tttctctctg acacttatca gaggcctcgc tggatgatga gctgatgaac tcggagacgc 540
 attcctgaac g 551

<210> 30001
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400031h09d1
 <400> 30001

gaacaaatga actaataatt ataaaaagtt gagtttggtt caacatgatt aggcaaataa 60
 aaaacatgcc taaaacaatg caactcaatt agtgaaaccc aatcaciaag atgaaatcat 120
 atctttaaca aaacaagcac acatgtatac tcacaccaag aatctgataa atctcacgtt 180
 tgatggaaaa actcagtcag tttaaattttg ctctacact agatcatctg gccagcag 240
 cagcattg caatcaagag catatttcct ggcaaccata atggctgcat ttctgtctct 300
 ctctgattca aagggttaata caaatgagag gccctttctt gcttgccaaa acaacgcctt 360
 cgctgcatta gcgatcacac ttctaactcc acatagctgc attgatgggg agtaaatctc 420
 tcttgctttt gtaatccaac ctctgcatag ctttatcctc attctcccca cattaaatga 480
 atgagtagaa tgtgaagagt gatcttttcc attcatttga gaaataacta cct 533

<210> 30002
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h10d1

<400> 30002

cttatgctta ttcttttgtc atttttgttt tttttaaaaa ccctccaaaa cccaaatctc 60
gagatatcca taaaagctaa atagacaaaa aaaaagggtg gaaaagatgc cccaaagggt 120
attgaaaaaa aacccaaaga caaaaaagaa aaaagggtgaa aagaaagaaa aaaaaacttt 180
tttgcaccaa aagggggggc ccctagaacg gcaccgggaa acgtccagga agagatcatt 240
agggccctc aatgtaaggg gagggcacc tggaaacc aa ttctcacaaa gttgtctaag 300
ggggccgatc gggcgtttgc ctaagggccg agggcataaa gcctcgga 349

<210> 30003

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031h11d1

<400> 30003

gcacaagaca aaatattaaa aggaagaagg caaatccaa aagttccttt cctgatcaac 60
tcataagttt tgctacaatg aacagcaaaa agaatttgct acagggaggg atatttataa 120
acagaaatta aagacaaaaa aatgaaaaat gatgagaata agaaaagtaa caaagactcc 180
tcctgagtac tgctacaatt actagaccta aaatggctaa cactctggtg actctaccct 240
ctttgacttg catatctcta tcccttggtc ttcagttcta aatatagcta caatatgatc 300
atgttctatt ttgctcctat ccccccattc cagccctgta caaaaatcca atgagaaaaa 360
taaagacag acaagaaata acacaaagac taagggttta acttgcggtt gccatcaaaa 420
ttgtggacaa atatggctga tgcagtcaca accggaacca caacgcagtt gcagacacct 480
ataaaaacct taacattgca gtatgtacaa tgcaattcaa aaccttgtat aagacatgac 540
ttaagagaag acttgaaaga gaat 564

<210> 30004

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032a01d1

<400> 30004

gctcctcgat ttctattaac tgtaacgtaa atagagtgca gagacaacgc tgcaatgccc 60
 tggcttaata atgacgcacc aaggaatcaa tatgagatca acaactagta atgactataa 120
 aaaatatctt cattcaatgg ggaacaacac atttgaatat cgagcatata tgggacctga 180
 acctgagaat ccataggtaa atatggtgaa acaacacaac ctgctgcagg atgtctgatt 240
 ggtctaaggc catcatctcc tgctg 265

<210> 30005

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400032a04d1

<400> 30005

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 acatacacat catcactgaa taagagaaat ggagcctctc aacggggcac tctttttcta 120
 cttagtatct cttgttcttt tagtcgatgt tggaatcttg caaggcgtgc ttggagacta 180
 acgagactag ctgctttgcg agaaagcacg aaactcaact gggttacgta gttgtcaata 240
 agacttcctg gctgggccac ttctgccagt agtttcattt cttcacgaac aatctccatt 300
 gtgtcttcaa tttccttctt atgagcagca attagtgtt cttcctcctc aagtattgca 360
 ctgatattca catcagaaga ggattctgtt tcagactgcc ccgatccagt ggtaatgcta 420
 taatttcctg tgctctgctg cttggagctt gcagtggaat gatcagaacc attggcatcc 480
 cgttttaccc aatttacaga tctttcagat ttctcctnct tagtcccctt tctgcgtggn 540
 ggagacaccc cttgcacttt ctcatgttaa catctatgga aaagagtcac c 591

<210> 30006

<211> 467

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032b02d1

<400> 30006

atggggaaaa tactaggaga ccttatggta ccatatccat tccgagatac acgttacagg 60
 gaaaaactag tacttgtgac aagtgacggc ccaggtgaag aaaatgataa tgaaaaggac 120
 gacaacgtac tcagctgatg acagatagac actgatcatt cggctcgtag agaacataag 180
 cgtctgtatg acgttcccaa tatcgggtact agacacatat tcaactgtcgt tcggattgcc 240
 ggacaaatag ttgggcctcc gtcattgaag ccgtattcag aggtctggca tgatcagtga 300
 gaggttgact attggtaact gacggcctgg gacgaaatct ttaaaggctc tcagtctgaa 360
 gaagaactcc acttgagatg ccatgatgca tggcaaagt ttaatgatta ggacaaatgt 420
 ttacattagc aactgattgt agcaccttgt catccatgaa ctgactg 467

<210> 30007
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032b04d1

<400> 30007

gaatgactca ctttttgagg ctgggaagta tatataaggt acttacatcg cacttggatg 60
 tatgcctatt cctaataaat ctgcagaaaa ttacattggc acctggaagc tttgttagtc 120
 ccaccagatg caagaggctc atgtcaacac taacatgctc ctctatgaat acacgcctaa 180
 tagcttaggc ctttttgaga aactgcatga cattgggtatt gatagcgcac cacaggactt 240
 gtaaacctcg gaatctaaac ccttcggcca gaaccttaaa ctctttgtat ggtgtctgta 300
 tcccacctgg attatgtgcc aacatgatca catcgattgg aaccacacct ttatgggcca 360
 agctatagta tggagccact gcaagaatgc atgctggcac agattacct 409

<210> 30008
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032c01d1

<400> 30008

caatgccatt gcacatttgt agactttatt gcgcttcaaa aagagtcaat gtcaatccat 60
 tttagatctg cccaaaaata aaaaacaatt cccgtatcta gagttcatct gactaacggc 120

gtctagcgat cgaacttgat caataaagtg ttatcctcca tccaaacagg gcttcccaag 180
aacttaatat tatgggagtg aaagctaacc ctcgaccatt ttttctcact tgaaaccaca 240
taatgataac aaggcttttc catttataaa tgaagctcga atcatatcga ataattaata 300
acagatccgg atgtacctaa tttagccctg aaaaatggga aatacttaaa ctaaagtatc 360
ctattgtaaa tattccctcc tgactcgaca gcctgagcaa cagtgtccga gccatttgat 420
gacgggtgac tagtagataa agcaattggc atccgaggag gcgaat 466

<210> 30009
<211> 579
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c03d1

<400> 30009

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ggatttatgg cctcatgctt atgctaagtc caataaagtt aaaagtatgt tcatataata 120
ggtaaacagt gagaaattaa tttatgcttt atagtaaata gaattgggta gtttaaagt 180
tctcttgccc attggaagtc catcaaaagt gctccattga tctcccacaa taccatcat 240
gcgataacct tcatcgacca attgttgctt caccttgga tggtatTTTT tcacgtccat 300
caattcatca tcaaaacccc tcaatgtaag cctattccat ccatgggtatc caacactcac 360
aaggttgctt acggtgggag atcttaggtt ttcttttctt gaagaaatca gaaagatttt 420
gaaccctttg ttcttgattt catggaagag ctcgagtgtg tgatcaagag ccggtgcctt 480
gcttttctcc atccattctt ctaaagatgt tgcgttcagc ttttctcccc caaaaccatg 540
cttcttataa taaggaattg tggacaaaag ggtctcatc 579

<210> 30010
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c04d1

<400> 30010

gagaggatat aaaatccgtc aaaggaacca gctaagactt tcacagaatt ccaatctggc 60

cgtaaccag aacgatacaa gatagcagca gagcaatcca caagaacaag aacatgaaga 120
aatcacaaca taaacagatt ccatgatgga aaaatgaatc gtttctgtga tgtatcccaa 180
aagtacaatt cgaagagaag catcatccca aaactcaaat ttcggaaaat caacaagcac 240
aattttcttc agcagcaaaa aaaaaaatct atacttttta taccctatca ctgaaagtaa 300
gaaaaaaaaa ctgaccctaa taataacacc atgatcatga ttatcacata acaacagatc 360
tctgcgcctt cctccgctca taatcagcat catcagtggg gaactcatag cgacaaacgg 420
gacacgtgtt tcttateccc aaccacggca caatgcagtc ctcatggtaa cgatgcgaac 480
acggcaacac cttcaccctt tctcaacgc caaactcgtc ttacaaaacc gtgcaaacga 540
cgtcagcttc tgtcacaacc accgacggaa gaatcctcac gacg 584

<210> 30011
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c06a1

<400> 30011

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aacgctgttg tcgctgctgc tactgctgct gatgcttcgc gcattgaagc tccttccgct 120
cctgttggtg ttgaaggcaa ccaggttccc aaggaaagta ctcaaactaa ggtgaagaga 180
agaggtggcc caggaggtct caccaaaatc tgtggtgttt cgctgaact tcaggtcatt 240
gttggccagc cagcattgtc gaggactgag attgtgaagc aactgtgggc ttacataagg 300
aagaacaatc tccaagatcc cagcaacaaa aggaaaataa tttgcaatga tgaactgcgt 360
gtggtgtttg agacggattg tactgatatg ttcaagatga ataagttgct atctaagcac 420
attatcccc ttgaaccaac caaaaagcct gttccaaaga aacagaaggt agatgtggag 480
tcaggaacaa gaagtgtga acctactcct tctgtaataa tatctgatgc a 531

<210> 30012
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032d01d1

<400> 30012

ggacagagaa taaaatgttc atattattgc aacaactaag agattcaatc atagcaatac 60
gagttcggca acagaacatc atcaaacaaa caaagcaata aaaacatata gtgaatatca 120
cacactcaca gctgatcaca cgacgtagga acaaaaagaaa tgggtctcctt ttcaagatca 180
tgattcacca aaatgttctg ctgttgaaca tttccgaata tagacattcc actagaagca 240
cccatggcta aacaagccac acccaaattg gagtcaccaa tcatgtagtt ctcagcagga 300
agctccaaat cccaccctt gaaatggaaa acaatctttg gaatctccac ttgtgttgac 360
cctgatggca gagagaagca aagatccaac cctgttgagc tagttttgtc caaaggaagt 420
ttggtttgag aaatgaactc ttttttgagt gcctcaaagg ccttttgttc aatgtatgtg 480
attgtggtgc cagagtctat gatcacacca ccattcccat catccccac ttcaaagtgg 540
acttctcaat ggacaatcga gtgtcccaa cagagatgcc tctcagagaa agatagtata 600
aagaaggttg caaaggg 617

<210> 30013

<211> 552

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032e01d1

<400> 30013

gaaaattaag gacaccgttt ttacacaatg tcaactaatt ttcttaaata acggaaattt 60
agttataatc gagacaacaa tcaagcacgg gggaagaact aaagtcctta tgaaaagaga 120
attaaagaaa ataatagact taaaaaagca cactgcatat tcatcaaagc atcatcaaag 180
cacactgcat cctaacagca cacgtacgta gaaaggtgaa gttccagggt ttgcacaaca 240
tacacaacac accataattt attttatata caatcttatg gtgccaaga tgcagatgca 300
tggaactaatt aaacaacaac gttagtctga taggcagggt ccatagataa attgggtacc 360
cataaaatgg ccttgcttcc aaggaaatgg caaacagggt tagttccagg atcaactccc 420
atgagttcat gaagcatgtg atgattcatt ccagacgtat ctgagtggca aacagcaagt 480
gcctgagttt tggttccatc accagtcacc aatggaacca tgaaagctgt tgttcacgga 540
ctttatggca gt 552

<210> 30014
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032e03d1

<400> 30014

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 ataataattt acccatacct caatggggga gcctgaacct caccactcac attttattac 120
 atagatatgt gataaaaaaa aataaaaaaa tacatgtaaa catatagggc tatgcatgaa 180
 attgcgctgc agagaatcac aggaagcaat agagagtga caatgaatta tcaaattggta 240
 ggaggagtaa cagtgtgac aaaaaagtcc tcatcaattt tttcatcgtg gcagcactgg 300
 aaggtggtga gcacgtgcat gttgcggcga cactcggggc acgtgagcct ctctgggatt 360
 ctccccattg aatgagagaa ctcaaacctg cagcaaggac taacaattga atgaaccttg 420
 tcgtagtgat tcttaaagtc tggttcaaac ccattctctgt cagcaagttc tttccacaca 480
 gcatacact ccaccaaggt ttgcaaccgg gttgtggcat gtccattgac cacaatgtga 540
 g 541

<210> 30015
 <211> 577
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032f02d1

<400> 30015

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 cacatgtgga actgacaagg ttcacatgga ccaaacttca cgtaggagtt ggtatctagc 120
 atttgtggtg ggggtggcccc cttgctcttt gtgattatta ctttttccat tttcagtgc 180
 tggtggagat gaaggaagct tatcaatgat ggatgtaaga ggggaatcaa gttcctctag 240
 ctcttcatca cttgtatatc ctctactctg aacagctgat acatttcttg ccaagtgaga 300
 ctttccttca gtctctgcaa ctttctctgc cacattagca gaagaggag ccatatacac 360
 aacaggtgca gccacatagg gaaagcttct tgcagattct gctgacaatc ttcgctctat 420

aatagtctcc gcattcaggg cctccaagac agttcctgga acaggatctg gacagaactc 480
 atccggagtg aagttacaga gaaccggtat aatcaatgaa agaatgatgg ttggacacac 540
 ctctgtctg atattcctat ctataaagca tgtttta 577

<210> 30016
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032f03d1

<400> 30016

ggcattcact agattgtgat cggcattgaa aggtggttaga atcatggata tcgatgggtc 60
 ccattttcaa ctaattaatc ccaatattcc gatcgattct caaacagggtt atcatagggt 120
 agatactgat ccttgccagt accttatgcc cccgtctcgg attgtctaga ctactaatcc 180
 gattgcta attgattccag aaatgggctg aactcatcaa tgccaaattc aatctgactt 240
 atactaaggc tcattgattg atgggtccact tcagtagggc tgattgctgg acttgtacca 300
 ccgcctactg agctgcttga aaggttacca tcaatcccat tatatcacgg tttagaacta 360
 atgctctcct ttttgcta atgaccgccat tgaaagctga tggatgaatt ttacagctgc 420
 accaccgtag tggttctact gacttttgag tgtgacttct atgtatgggt ataactggat 480
 gcttggaatg aacagggtgt gcctccgttg cccccagcat ctaatccgtc atcccacttg 540
 ggtatgtcg 549

<210> 30017
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032g01d1

<400> 30017

aaaattgtat aaataaaaat atctacaata aaaataacgg gcataaaaagg cacacccaaa 60
 caatctacaa acaggcttaa tgaacaaaat aaccacatg gctacggatc accgattgca 120
 tatcgctaga caactttact cgatgtacat gaagccgaac ccgtataata ttgtgcgaca 180
 ctgcgtttta catcgcta cctgtacta atgataggcg cgaacaaaca atggcatcct 240

gcaactaaca ccctatatca gaaactcaca tgatctgcag actgggcatt gctaagaacg 300
 aagacgagcg ggctagaaca tcttaggcct atctaaaacc catgtagg 348

<210> 30018
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400032g02d1
 <400> 30018

aacgtgtatt aatattacta ccaaaaatgc tactacatgg aataactaaa acaataacat 60
 aaaagattat gggttaatag gtgcatattc acctgaaaat tggtattagc ccaactggat 120
 ccaggaccat atataatgag acatcctggg gtacatgacg caactacgga aaaacgcttt 180
 tttttgaata aggatcagat tggtgaaact tgatgcgata tacatcagcc tgagtcttct 240
 acagtgaggg cttttcagaa ggagcatgag gagcactacta tttaatgttc aggccatgct 300
 ggaaccaaac ggaggagccc gattccaaaa gtgtcggggg 340

<210> 30019
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400032h01d1
 <400> 30019

gatgttaaaa atgtatatat aaatttattt ataataaaac taacgggcat aaatagtact 60
 accaaaaaag ctacaacctg ggtaattaa cacaatgaca cataggttta tggatcatca 120
 gctacttatt ccttgaaaat tataatcagt tcagtctgaa tccagggagc agataatata 180
 tgcacaatac tgggcgttac aatcgcagac tacctgacga atgcatggga gtgaatttcc 240
 tacagcatgc tgtaactcga tgccctcact ggcacactga ggcttctgca gggggggcat 300
 ttcagaagga gcaataggtg aatgctagac aatgtttacg cctagcttta acacatggag 360
 gatgccagct accaaacgtg tactgctcct aaaaggtgcc aatcaaaagt cagaatatca 420
 gtgttgtaca gaaag 435

<210> 30020

<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032h03d1

<400> 30020

gaagtgaaac aaggctcatt catacagctg aagaagtttc gtcgtaaaac taagcaaaaa 60
agtaaagtac aagtaatttc acaaagtatc ttatcatcgc caccaaaaaa gccagcgcag 120
gggacttctt aattcccagc tatcataaaa attttaacag actccgacta atctagagct 180
catcgtgaga atcgtcctcg tcttcttcgc ctgatgcacc accaccgctt ggggctcctc 240
cagatctctg atacacagca ctaatgattg gggtgcaaac ggcttcaacc tccttcagct 300
tctcttcata atcttctttc tccatactct gggtgtcatc cagccattcc agtgcttctt 360
tcacagcagt ctcaattttc tccttttcat cagactccaa cttgtcagcg agcttgtcct 420
tgtcactgat ctgggtcttc atgttgata cataggtttc aagactgttg cgagcatcga 480
tcctctcctt caccttcttg tcttctctg caaactcctc tgcttcgga accattctc 539

<210> 30021
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032h08d1

<400> 30021

agctttccag gtaggtttcc cgtcatcact gtatgacgtc ctctgtctt tggggggggg 60
ggggggaacc ggggaaaaaa tgggttctac ggcgcagtct aaggccatt agagtaatac 120
ccagggcggg cgcagagtaa taccgggga aaattggcca gatcgcagta tgagtagtaa 180
agggacgaag gaaaataacc gacgcagcaa taagggatcc cgttgtcaac gtaggtgttt 240
ttgttgtaat ttagtagtc gatgtagttg tagtagtac cgtagttgca gagcgtgcca 300
gatgtgctta ttaaagtcgg tagcggctgt gtgcttgtag gcaatgttag ggtaggtagg 360
ttgggttccg cgattagcgt aacaacgttg cgtcttgca tagcgtacgc aagcgtgtat 420
gtatttggtg caatagtgtt gcaaggcacc gccacgggtt aagcaaacgc tatcatagt 480
gtaacggtgg cccaccagc gtatatatat ggcac 515

<210> 30022
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032h10d1

<400> 30022

tgctaccgat tcctttccag gaagggttcc cgtcatcact gtatgacgtc ctccttcttt 60
 gggggggggg gggggtagta aaagggttagt atcgcgatga acctaatagc atgcaggaaa 120
 ataagagtat gagtaaaagg aaacgtgttg actcaatgac taatgccgaa aggcttagaa 180
 ttcagcaacc cgtgaaatga cgtagtacag gttatccga agtagcttcc agcgacggaa 240
 aattagttcg ggttaa 256

<210> 30023
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a01d1

<400> 30023

aagacaacca atgtatatta ttttttttga gaaaaaaatt caatggacag ttcacaagca 60
 aacctacgac aaataatgtg gctagtgatg agaaaatcac cggggactgt tctgcaaadc 120
 acaaaactcc tgtttcctat gagtaaagt ctgctgggga ttgctccaag ctcataccct 180
 tgggttctgg caccgaaaca ttataacta atatagccag tgcattaatt gcagcataaa 240
 ggatgaaggt accatacgag cttcagctca tgaggaagtt gaaagtatag gaacataacc 300
 atgcacaaa ccaggtagtt aatgtggcca cactttctgc tagccctttg acattgacag 360
 gagatatgtt agacatcaca acccatggaa ttgctcccat tcctattgta aatgaaccta 420
 tgtagaccag tatgcctgcc acagcaagcg ctgggactgt cttaac 466

<210> 30024
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400033a04d1

<400> 30024
aaggctcngc gttttgagat cttttgccgg aaacaaattc attgacataa agcagtattc 60
ctgtttacaac attttcaaaa gcaatatgtt tcttcaattt tgagggatgt tcaaatataa 120
acacaaaatg agattaattt tatactagag tagttattta tcttcgtat cctcaggcaa 180
agcagatact ttgcagatag gacataattt cctcaaagat aaccattttt taatgcagct 240
cacatggtag tcatgcccac atgttttaag tgttccaaca tcgtccatgt tcttgtactc 300
ttccagacat attacgcagt ttccttcgtc ttgactttgc tcagatgaac aatatattgt 360
ttccgtcaaa catttggtta gccaatctc agagattcct gtgttcacat agccaatcct 420
ctcaccaagt gcaagtagtt cctcataact catgttatct acgtccatcc tcatgtctcg 480
atgctgatct agcatgttcc tggaaccata cactgatgca cgctcaacaa ccatgaaacc 540
ctcagaggaa aaacgatcat gcagaccact ctcagccaat gatcga 586

<210> 30025
<211> 542
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400033a05d1

<400> 30025
gtaaaacgat atggcgggctt ttgcaatata tattatttcc cttcccaccc acgcaaacgc 60
tcagagtgca agagctcaag tcattaatgg aagtcacctc aattgactga tttttacaaa 120
gagaactcaa ggggatcaac attttcaaatc tgacaattac ataataaagc ctttcaatac 180
cttgataaat tccatgtcat tgccaaagca ccaagaaaaa tcaatcatgt ttcagggcac 240
acattcagaa acataaagag aaacttcacg agtttggata tttttatctt taaaaatatt 300
ggaccagcgg ccatatgaca acaaccaaac ccactatacc aatgactgat aaaagcatgc 360
acaagcagga gcaaccaccc ttggtgcggt tgtttaacac tgccaagttc ttgtgcactc 420
tcttcaggcg agaactctgtc acatctacat gtgggtgcaa gtcacatg agtctggtat 480
gtagattcag ctcttgattc acagccaacg caatatgttt agtgctgagt acagtctcct 540
cc 542

002220"ETTES60

<210> 30026
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a06d1

<400> 30026

atcactcata gtcataagcaa aatctgaatg ggtcaattgg atcaaaagaa gaaaacagag 60
taaacaaatt gaaaggcaag gaaaccccgaa aagcactgcc tctgtcctga ctccataaca 120
tctcccctca aattcacatc aaacgcaaca caaagtatgg gatcaaagaa gcaaaaaaca 180
tagcaacaat tggggagcca gcagcagttg cagatgatgt ataagaagat gtggtagtgg 240
tggaggtttc agttgaaggg gtagtggagg ttgaagtttt aggggttagtg gaggtggaag 300
tgggagtgtc ttctttgacc tcagaattat gaggtgagtc ctctacaggt ggtgaaggtg 360
catttgcgcg tgcaa 375

<210> 30027
<211> 519
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a07d1

<400> 30027

gagctcgtaa tactcacaca caccatcaat ttaaaccttg aattttaaac attgtaattg 60
gaggtcgata taatatacaa ccatgacagt actctcagta gtgctaggaa agttgggtca 120
agggataatg cagcaacacc atgcatgaag ttactaaca aatctgagcc aacaaacaaa 180
acagaaaaca aaacactcta tgactcaagc tgagcatacc agatgccctg gatcttgaca 240
tcctttggag cctttgctcc caaatcagtg tcagatgggt gaacactctc gaacacaccg 300
ataacctcac ccgtctcagg cttgggtcttg gtgacactca aggtgatttt gcccttggat 360
gatgaggcac ttttattgtt ttccttggca agttcttctt catctctctt tccaccagca 420
ggcaaagcaa ctgcattgtc ataacctgtg gaagcacctc ttcccttggg gtccaagaaa 480
gagcttcac ggtaggatgg gactagaaac tccccacta 519

<210> 30028
<211> 547

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a08d1

<400> 30028

gaaattatat ataattat taaaatcgtg agattacaag acatactaaa aaaggaatgt 60
 accatacagc ctaaaatgga gttacttatg gaccacagca aatagcttgg ggactgccag 120
 actacgacca tggataagaa ctcaaagga ttaccaat t accatccacc aaagtattaa 180
 ctgttcttat aaacctaaga ataaaaagta tagactaaaa ttgatgaaat ataaaatgct 240
 aaaacaaaca gcatttcttt acttttccca gaaatgatgg gtatttatga gaaaagctat 300
 ttacacaatc aatcccagca caactgctaa tgtgtctgcg tcagagttta agcaagaaaa 360
 aaaaaggggtg agagcctttg gtagaaatca taactcatat gcagtcacat tagcagttat 420
 gcggtggtgt aagtagcatt actagcgatt cctataagta gcacacatat attcgtgcc 480
 ctactagact tcatatagcc caacatacag gacgacacag agaaccagag acaactgcc 540
 tgggaaa 547

<210> 30029
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a09d1

<400> 30029

cacctcatat tatagttaaa gccgtaaaat ttaccatgg gatcccaaat taagatggct 60
 aaattcatca tatcaaatct ttgggcaata tccggttaac cacgtgtttc agaaattcag 120
 tacagtatta ttcaagtgcag agaacaata gggttatata ttaaactcaa caaaaacaaa 180
 taatatgaga tgtttatgag aatttcatcc acccaagacc gttgtgttcc ttaattaatg 240
 gacaaaagct aaacttagct caatttcttc tatcccaagc atttgagttt caagcacagg 300
 caaatttcca tcttatgaag tttattttgc acacatgtat cggagaatat actacctgtt 360
 agcaacataa gaagaaaaag cgtgctatca gctatagcta cagccatagc atcatattaa 420
 tttttgggac cgatgtcctt cagtgaacag atctgttctt ctccattgc agacataaca 480
 gaaaccacaa gatcttttcc ttcagaaaat ccatctttta atctgagcaa gcaat 535

<210> 30030
 <211> 587
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a10d1

<400> 30030

ataaatctta attcatttca aactaatcaa ctttcattct tccaagcaca gaataactcaa 60
 tggatcacaa acgtcaagga actagtggca ttatgaagca caattaatca actgtataat 120
 atgcaaagaa acaagatgtc aactatattt caaaacgaaa actctaacca ttttcaaaac 180
 gaaaatcac attctaaggc tccactgtag tcacctgttg ccattcccca tctactgctt 240
 ccttcacaaa tgtcacattg ttgttcccat cagccacagc cagtatgttt cctgtcaatg 300
 accatgagac cctccaaaca ggggtcttga aatcattcaa aaccttgctt tcccactgat 360
 ctccctcttt cgccacggtc catatgatca ctttaccatc ctgcatgca ctagcaatgg 420
 tagatttagg aagccctaaa ttgggtgccc aagcaacatc tcggacccaa tccgtgtgca 480
 tctgaagagc agggaagcag tccatcttcc agagtccatt ggttaacttc cataccttca 540
 cagttttatc acaaccacca gagcacagct tctgtcagga tcaagca 587

<210> 30031
 <211> 589
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a11d1

<400> 30031

aaataattgt tgttgtttct taaggattat ccatacattg ttccaactct atacaagagt 60
 acaccaggaa gaaatacaca aaatcattta tgtataaagg gtttgtttct ttgataaaat 120
 accataccac ttgtatgtct gaattttcaa gtgctttccc tagtaagaat actaaatagt 180
 gtgtataaaa gaaatgacaa aagtcaacca tttgctttgt catctttatc tttggaaatt 240
 ataactgcat ttactttttt gacgtataca ttttgtcctc tccccaggat gactggcagg 300
 tgctgttcat cattgatcaa tggcgtgatc aatcaacttt aggccatgca gcttgaagca 360
 tctcaacaat gagagtcttc acatcctttc tatcttcagc acgtcgaggg aaaggtacac 420

gaagcttgaa agtatcacc tggtaaccag ccttaacatt gaaaccaaga ctatccaaat 480
ctagtatgtc ggcaaagtcc actggaactg aggtccaatg ctgcacaatc actttgttat 540
cttcagcatg atctttgttc atatgagacg ccaactggctt ggaaaactg 589

<210> 30032
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a12d1

<400> 30032

gggagataaa tataattcat gattcagaga aaatagtcaa aatacagtga atcatacttg 60
tacaaacgaa aacacaattt aatatttgcc tctcatcaat aaacaactga aacagataaa 120
tagcttgact caatcaaaaag tacttactgc ccaaattata tatataataa agaagtacaa 180
taaggcagag gcataggcac aacaccccct tgaagctaac actaacaac accattcatc 240
ttgtcattgg tcttcttctt ctccaacaca aacttcttcc aaatggcagt gatttccctc 300
tgagtctcca taggattctt cttagcaacc actaccttgc cattttcttc tgcactgagt 360
gtcacagtgg tgctgctgat gacccttgca ggaagtgaat caagctcatg cagcaccttc 420
tccacatggg acacgagacg ctccgagagg gtccttgaga agtcctccct gatgacaaca 480
cgaagcactg tgacatgttg agcatctggg ggcattggtg atgctggcac tatccacca 540
aagcgcctta aaaagtctga gatttgga 568

<210> 30033
<211> 597
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400033b03d1

<400> 30033

aaactgaaat anatctttgc tttttaatct ccattaacca aaagcaaata catacttgta 60
cacattggat gtacaaaaaa aagttattta catcatagtg gttatcactg aaatactatg 120
tttggtcagg cattaaaaga aactcattat tgggattgag caggagatgc tgatgtttct 180

ccagtcttct cttgaagcaa cggcatggtg tttgaccttt caacgtttga tacttgatgt 240
 tcactgtctt catcaaactc atccacacta tgcaaaaata ttcctgacat aatatacaag 300
 aatcacgaca catgttcaaa aaacttctca aacgtttctg agaattagac atttatgatt 360
 tgattatgat tatagaaatt caatactaca tcttgaagat aactagatag tagacaagct 420
 aattttcatg tagccgagta acatccatca caggtataat ttgcttttgt tttaatcttt 480
 aagttggggt ggacattatt taaaggtgc tttattttat ttatgtcctg tagtgccact 540
 tctcagtatt aaatattctt gctctgacaa aaagtatatg tgaacagaat taaaaac 597

<210> 30034
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b05d1

<400> 30034

gttctctgaa ttatcaacat ttagattcag tggggaattt aaaaacttgt aaaatggcaa 60
 acctgttcac ctcaaatgaa cacgttcaga cacttccaga ttaacaatat accagacgtt 120
 acgagaacag ctactgttac agtttactct aacaaatcgg aagagaaaaa aaaagactag 180
 agtacaagat atataattaa cccgaagcac tgtaacaaca agctttttcc gcctaggccc 240
 gatgaagctc tcagggatat atgtatatgt tatttatgcc aaatcaaagt acccggaacc 300
 ttggtggggg tgggccagg cccaccggcc ttggagtttt tggataatgg gtaggactag 360
 gagggggtgg agagaagaaa taaaatgctc caggtggtag cggcgacaag aacggcaatg 420
 atggtggtgg tggaaatctta cgatgcctat gtgttgagg agtatgct 468

<210> 30035
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b06d1

<400> 30035

attcgcaat agaaaaacat ttttataaga aaatgtctga gatgttatat ctctttatg 60
 ggacattgta cagagaggag ctgttccagc cctctagtag acaggaacat aggacgaacc 120

atgcaaattc attttcacgc tcaaattaat ccaagctcaa gttaatatta ttggaattcc 180
 aaaattatta attgcaaggg ctattaacag tacaccacca tgaagctgac aaattgggtt 240
 tgaggatgca accctgaact tgatgtcttc cttgccacgt agtatgtact ttgttattta 300
 tttccaaggg agtttaaaag tatctttcca ccatccttgt tttgagcaat ttgcaacgat 360
 tttgtccaac cgtgcaatga cctgagaaaa tgttggcctc acaacagggtg ttggatccca 420
 acattcctcg atcaactctt tcaactctgg aggataatgg tttgttctga tcttgaatgc 480
 tggtcttttc ccttccaagc acatcagtct aact 514

<210> 30036
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b09d1

<400> 30036

agaaataggg ggcactaagg gggattttta tgaaattttt ggaacatacg gaatatgccca 60
 ccatcctgaa atttaatagg gaactaaaat acaaatcgc cagaagaaaa gtactggtag 120
 aatagcctgt attagcatgt caatattaac tttcactacg caaggaacat caacatccag 180
 gttcgacttt ttgagaatgc aatgaggggtc tttcttataa acgtttatag gaaaaaccta 240
 aagacaagtt tcttccgtca ttgtgaaatg ccatatgaat catttaagaa gggaccttgc 300
 aagatgttcc ctggctgggg ccaatgcttg acttaaagtc tgttcggaca aaggagctcc 360
 aaaatctata ctattactag caactttccc agctataaca tttggatcag tttcaagtgt 420
 gataccgccca tcaacaattt catcaatgca caatagaat 459

<210> 30037
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b11d1

<400> 30037

aaagttaaaa ataacattct tatttttttg ttttcattat attgagataa gtgtaaaaac 60
 aataatacat atacaccgc ctttctaacc aataacatta aaaaagagag agaaaaaaaa 120

gccacagata taaaatacaa acttgataaa atgaaagaat tggacctgcc cactgtctag 180
 tgtcttcatt gctacaatat gcaaacattg caagaggcaa cagcaaaatc taaaaggaga 240
 aactaaaaaa cactctccat gcatgcgggcgc tcacattcaa acttggacac taaccacagc 300
 tacgcccatt atataggccg aaagcaaaac gctatgataa gaacccaaac tatggtatat 360
 acccaataaa accacactat ctcaacagat aagagcattt taaagataac tgaggaaagg 420
 tatagcagct aaagaagcag acgtcactct ttcatttcaa gtttagaaca attcgtattt 480
 ctttttcagc atgtcttgc tccatcttgg caac 514

<210> 30038
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033b12d1
 <400> 30038

caataccaag tttagtagca ttgataattc tcttagctct cataatctgt acaaaattta 60
 tgcattaatt tctcaagggc ctcttggtgt ctttggatca tgccggttgt ttgtctctgt 120
 ccctggataa tcattactct ccaaataaat ccttccctct accatgaact cttctgccat 180
 atctaacatt tcttctccat ttctcaattc ctcaacaccc tgaaaacat agacacaaaa 240
 attgtactca gttggaccct ttgcgccatg cagatacagg aactcttgaa ttttgggaata 300
 tattgcaagg attatataag attaaattat gttcatgagg gtctaaatta taaccttatt 360
 agatgtaatc tgggttgaga gtttttcttt gtttggcaaa agccttctctg caaacaatga 420
 aatttcaaca tagaattaaa tcaattttga aaattaaaaa agaaagagag atgaaacagg 480
 tccatgttaa tcataggaaa agtaatttaa t 511

<210> 30039
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033c01d1
 <400> 30039

atatatatat ggtctgaaag aacacatata gggacacata aaaaaggggg aaattcataa 60

aaaaatacag aaaaaaaaaa acagaattga gtaagaggga aggaaacata gagaaaattt 120
 tagcaatcag ataataagaa gccagtggta gtgcaaaagt cccttgccaa gagtgggtga 180
 acccctttta gttaagcagg gaccttctcc cccttgagtg gtttcaccac ttcccatggg 240
 aagacagggg catctctgcc aaaggggtcca tatgcagcag tcttcaagaa cctgccattt 300
 ccacccctct tgagatcaag gttgatggag atcatgccag gcctgaagtc aaaactctcc 360
 ttcacaatgc tgaggatttt cttgtcaggg atcttcccag tgccataagt gtcaacaaac 420
 acagacaagg gctcaagcac accaatggca taggaaactt gcacaattgc cctcctagca 480
 agttcatttg caacaatgct tt 502

<210> 30040
 <211> 600
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033c02d1
 <400> 30040

actctccata cacaattttt ggccaaagac cccagtaa at gtgattctga tttacagaat 60
 actgcacata tttgtctacc tcaggtgcag tcaattatga agcaaaaagg atgataaaaa 120
 cactactgta ctgcaagaat atgtctgcct tatatcctag ctctgaatcc tagaatacat 180
 cacttgga aa attttgtaa gttcactata caagggat gctacatagt gcatgtgatt 240
 tgagctggga attatagtta tgatgtcata gcagcctacc atgatttcaa tgttcatggt 300
 ccactctggc aaatcgaccc ttgactctta ccctgcttcc tgcccgaact tttcgtgatt 360
 cataccttat gtgtttgtca aatctcctag ttttcttctt ctgcttgtag cgtaataatg 420
 cagaatctct ttcttggtt gttaactcac atgctgcagc tttgggagta gttgataggg 480
 tttcagattt aagagaaatg gatggttttc cttcattgtc accgtaggtt tgagtttccc 540
 caacagcaga agtagaatgt ttaaattggaa ttttttctga taaagtctca ttaatgggtc 600

<210> 30041
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033c03d1

<400> 30041

gcgagagaga cttgtcaata ttttttatta gatgtaacaa tatacaaaaa gaaaaagctt 60
 gtcttaaaat attagaacca cataggcata aataggaagg ggattattat agaccatcac 120
 catgtctatc cgtgacaatc acattattac aggggtgaggt caggtaaggg tgcattccaaa 180
 tccactctca aatagtatat atatattatt aatttagggg agagagaaaa aaaaacaatg 240
 ttcaagttga aggagattga gaagcaagaa aattgttgaa gtggcagcgt ggcgctatgg 300
 aatggagcag caaccttgca gtgtgatcct gtttgatgac cgcccccttc ttcttcacca 360
 acaccgccgc aacaatctct tcataatccc caccgccgcc ggcgatgaag gcgacgatgg 420
 cggcctgaag cgggtccaag ctgggggttat aagcagcgga ctcaatgtaa gagcctttaa 480
 aaacattccc cttggaatcg agaagcgca cgccggaggg ggacgcgctg taaggcgctg 540
 gagagttatt ggccggcctcc aacgccgcaa tcgcaagaga cgtgaaatga t 591

<210> 30042

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c04d1

<400> 30042

ataacaccaa aatgagtcca ttttttagca gagattgatg attgaaattt acatatttat 60
 gatagaccaa ccaaacta agcaaccata cttcaaacac tcgcaacaaa taccctagaa 120
 catttgaatt tgcaaattcg agccatgatc actttattaa acacaacacg taattcttat 180
 tatttggtga tacatatatt acagttatct ctgcttcaag ggtataaatc ttgacctcac 240
 ttgcagttgc atgggtcgca ggtgcagctt gatccacagt tgcagccacc gttctcagct 300
 gcaacacca tttcagcacc ctccaattgg gccttcacag acccaacacc caaaacaaga 360
 gtctctgtgg ttgtcttctc aacatagctc aagtcaaaag agtacttggt gcaaccgcag 420
 ttgctgccac agttgcagct acttgcacac ccacagctag acattttcaa aatcttgga 480
 ttaaatcaca cactaaagta ctgaagaaca cacaaaagat gat 523

<210> 30043

<211> 394

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c06d1

<400> 30043

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cgagcccccc ccaaaaaaaaa agttttttttt ttttaaaaaa aaaaaaaaaa cctttgggcc 60
tggggggggcc aacccccttt cttgaggggt tcccacaaca aacccaaaaa aaaaaaggga 120
ggggggcccc cggggaaaaa aaaaaagggt ggggggaaaa aaaaaaaaaa aaaaaatttt 180
tttttttggg ggggtatgag gggggaattt aaaagatcct tcaaggggaa aatggggggt 240
tacaccccg gcggcaaaaa aaaaaatttt ttgagggggg caccaaaaat aaaaaagggt 300
gcggggggata aaaaccgggg gagagggaaa aaaggggggg gaccaccaa aaaaatgccc 360
ggggcccacc cccctcttca ccggggggaa taaa 394
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<210> 30044

<211> 524

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c07d1

<400> 30044

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gtctcgagat atctacttct taccatatat atatagagag agagaatacg aagcacactg 60
atcacaggat gatgctctct ttaagtaggg aagcagatct tatcagtaca cataggtagg 120
ttgaaattct agctctagca atctagctag agaagggtgt gcttgcaaa cacacagcac 180
atgatgattt attttataca caatctcatt ctcatggtgc tcaagatgca tggactaatt 240
aagcaacaat gttggtctga taggcagtgt ccacagataa attgggtacc cataaaatgg 300
ccttgcttcc aaggaaatgg caaacagggt tagttccagg atcaactccc ataagttgat 360
gaagcatttg atgattcatt ccagaaggat ttgagtggca aatagcaagt gcctgagttt 420
tggtttcatc accagccacc aatggaacca tgaaagctgt tgtttcacgg acttcatggc 480
agtaaaatac tgcagttctg aaatttagcc tatgacacat cact 524
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<210> 30045

<211> 552

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c09d1

<400> 30045

gtaactacta aatctaataa agatatgaat attaagttta tctggaagt tataattatt 60
 acacgcagac acgggtgcct agctcataca aagttactcc cctaattgag aatatttatt 120
 tcctcaatgg ataaataaac aaaacggcac cacgtttgat gaaaagctc ccaggattcc 180
 accacatata atgccacat ataccgatca ctgactaggt acatcaaatg aaagaatcaa 240
 tacagggtcca aagctatata actcctcggt cttattaatg tgattttaga gcatatcatt 300
 cctcatcatc cagccacgag aacgagaaag ggtggaactt gtacccatcg ccctcataaa 360
 acttgttttg aaactccacc cagtgaagac gtaacgcatg caaaaaggca ctgagagttt 420
 ccatgacaag taacactccg acggtagcaa aaatgaagac aatgagaccc actatcagga 480
 taaaaacatt attggacccc catgccatca tcagaacctt ctcatagaat acacttgata 540
 actctgaatg ag 552

<210> 30046

<211> 573

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d03d1

<400> 30046

gtaaaattac ggtttataaa cgtttccttt tggagccaaa catgcagata caatgggcac 60
 aatgcagtac aagttggata tacagcacia ctccttggtt gcccaacata gcctgtgtca 120
 tatctaggct attaagaaac gctttaattt atgctaattc tgaagacatg cactcactac 180
 actgatttga atagtgtaat ttccgtgtcc atgtacattt ctataatata tttagaagaa 240
 aacaaaaatt ggaagaagga taaaacataa tattaataag aagcaaggag ctgggggaac 300
 ttcatgagac taagattccc tcacatcttt gttctcatta ttatgggtgtt gccacatttt 360
 cctttgcctg tggagcaatt tcttctccat cacttccagg ttactgcca ggaactccca 420
 ggcttagcag cacttctccc cacttcttag caggccccctt ccaagaaaga tcttgagcca 480
 tgcagttctt tattatttct gtaaaagctg gagttccata gactgcaagg gcccttttga 540
 cagtctttgc tatagcatcc acatcagctg gat 573

002220"ETFE560

<210> 30047
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033d05d1

<400> 30047

ggtacagagc agttttttat ttagtcgtaa cagtggaaat tacacgttcc tatatattct 60
taactcaaac tttggtaatc caaaaaccac aagtctcact agtgtattaa tagcatttcc 120
cgcaacctaa aattacagag ttgcagaata caagaaaatg aacaaggaga aggggaggac 180
aaagtccagc attggcgagg ggcaagtaat ctttatcagc aaaatacagg aagccaaaaa 240
tgtagatata tgaggacaaa ttgtcactaa aataattttt ttcagaaaag gaagctcaat 300
catcaacttc agctttaatc tctctcagca agtcgtcctt gtaatcctca aatgttctctg 360
ggaaattttt gacagtacca tcttcgacaa cccagatttg actcctttct tcatcctcac 420
atacacgtga tatcaattct tgaatcatga ctaaacagaa caact 465

<210> 30048
<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033d07d1

<400> 30048

agggaacaag ggcccccttt ttttttaagc ccccaaagag aaaaccacct tggggagtct 60
tttacatgac ttggggggccc acaggtggaa caacataaag ggaagcttgg gccctttttt 120
ggaccctttt ttttacattt agatagaaag ggcccagctt tattgttggg gggggaagga 180
acttctgaat gtttttccgg ggatttggaa gcttaaaggg cctgctttcc cctttggggc 240
cctccagggg aaccctccat tgggtccaa agaaccaac aaggggggat ccctgcctta 300
tcaggttttc tttccctggt ggtttgaag aaaccgcatt tgggggggaa ggatcttggg 360
gatccttgaa aaataatttt tcccatgggg ggggg 395

<210> 30049
<211> 496
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d09d1

<400> 30049

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atccagaata tcgggcaaat ccaaataatg ctggattgtc acatagtcta cataacctgg 60
gaaactaaca gcaatcaaat atgttcgcca tttggaattg gaatttgaat acaaatacag 120
ggcatcaata atataaccct atgtacacag ccaatatctg actgaaattt gatacagaat 180
agtatcaatt tgtatcataa taaaatggca cagagaaatt tatgtgaagg taaaggggaa 240
gtgtatcagc tggggtttta attcttcgtc tttcatttac ttcattcattg gtccttctct 300
gcacgttcac atttctctta tctgcttaag cactgctgac cttgttctta cgcccaaagg 360
tccaatgggg tttagccgga gtacgcctca atgccttcac tccgaatggg ttgttcttgc 420
tcttgagaca agttccagca taagtgttgc agatgggata gtcgttaggg cagcaactgt 480
agtggtcac acagca 496
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<210> 30050

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d11d1

<400> 30050

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ggggactaat gatctgtgtt aatagggatc atatttaata ccataaactt gtacacaaac 60
atattttaca gtgtacttac actccagcaa atctaaacca agagtctttg atatgtgcat 120
ggaagatatt ataagtagaa acgaaataaa tcacaccagc cacattttcc ataagttcaa 180
ttgcatgtcc aagaacataa gttttgaact gataaattat ataaattaat aagataggta 240
gaaattttgt agtggcagca gaaataggaa catctttgtt gtgagtaccc agtttttaggc 300
taaaccgggc actagttttc agcctttgct tcaatttttc attattttga cttgaaagga 360
atggccctga gcactatctg atggtataaa gctgcaagtg ctgcccacat aaaaggccct 420
accagaaga tccaatgggt atcccaagct tggtccttgt tgtatacaag ggctgcacct 480
aaacttctag cagggttgat 500
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<210> 30051

0053113-032200

<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e02d1

<400> 30051

aagcactaaa gacgtggata acttgatatt attttattac atacatgcat agatagcctg 60
ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
taaactcgat tcgagtgctg agctcagcaa gaaggaccaa gtccaagata ataggagcag 480
ctaacagtga atcctcacat gtgttggtgca acac 514

<210> 30052
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e04d1

<400> 30052

agaaaatgta aatgctttta ttcaagagaa acaactgtgc attacattgg atactgctct 60
caggactatc aagaacaaag agcatcatca tacagttgac gaaggtgact gcaaaggtga 120
tgtcaagaca gccaatTTTT cagcaaaaaa accagaaata aaactgataa cttcccattg 180
aacacaagaa acaaatgctt ttactcatg agaaacaacg agcacttggt ttccaacatt 240
gcgaccgcta aaaaggccaa ccaatgctga aggtccattc tcaagccct cagctatgtc 300
ttccacatac acaaccttcc cctctctgat atttggcagg agaaactcca agaacttggg 360
atataggtga acgaaatcca tgaagttaaa gccttgcaaa cgaatccgct tatatatgat 420
ctgtgccaaa tttgttacac cttcatgttg agtaagatta tactgtgaga tcattccaca 480
gacgggtatg cgaccacgga ctctcatggt caggagtacg gcgtcaagtg tcttgcccc 540

acattctcaa agtaaaccatc aat

563

<210> 30053
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e05d1

<400> 30053

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taaaactatc agttgaaaaa gattcccaag aaaagaaaac taatgtttgt gtgatccaca 120
aattcgtaca aggcattcatt aaataccaaa ttaaatccag aaaataccaa aatcaacagc 180
cagtagtcta gtaacttctg cccagtatg tccactttgt tgcgggcttt cctgatgcaa 240
agcacttggg gccttctggg agttctggct gatcaaagg gctgcaaaga gtcttagctg 300
ctcccatctc accctttgtc ctggctttga catcagcctc cacctcctcc tggtcacacc 360
aaggagcaaa gatcattttt ctttggttca aagcttgac aaattcatcc caagtgtgta 420
tgatctgaat gcattcatct cgtttttgtt ttgcaacatc aaacaagttc tgttgaattg 480
tatcaagcaa cttttt 496

<210> 30054
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e06d1

<400> 30054

gatatgaatt ctttcttcat atactgatca aatgggaaaa gagggtctc acttccaaac 60
ccaaattgaa aatgggtgtg aagtataaaa tctgaaaatc agaattgaaac tagttcctca 120
tcagaaacga ttctataata gttattcact ataaccttta aagtataaca acgtctgtca 180
caagttatga gggagaaaaa acaagctata aattatgtag tcacttctgt tgagaagtct 240
aactcactgg ttctcagatt ccccgagca tttcttggtc cagctgcctg aacacgcttt 300
gcgctccccg cgttttcttt tggtcttgag aatgttccca tctctataca tacaggactt 360
cagagttgat tgctcttgag aactgcagg gtttggttgg gccatatgaa tatctgacat 420

ggggatagga acaggattca agactttcttc ttccctt

457

<210> 30055
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e09d1

<400> 30055

gttatacatg ttattatgat tctatcatct ttataaaagt agtacagctt tgggtcttga 60
 gaagtgttgt tccttgtaac gacttaacct cagatgggac aagcaaatg aaaaaggcta 120
 taagatcatc cctcatccct cacggtggtg ctgttacggt cccaccacc caatccaaac 180
 cagattgcc a cattattca aacaaagtgc cataatttta acccggaat taataaattt 240
 acatacaagt gaggagataa gcttaggatt cccaaggaa actgacaaac cctacggtcc 300
 cgattgctta ataatcgtga atgggaccca atctacggac aatatcaatc cactcagtgg 360
 aaagtccaaa gccaaattta ccttggttatt attaccatca cccgctgctc atggatgcc 420
 ttctgtaca cgtgtcacct cccaccgta taaggcgagt caaacagat tcgttactc 480
 acccaaattc tgccatacca gagagcgccg acttggaacca gtttggggat c 531

<210> 30056
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e10d1

<400> 30056

gagaaacatg ttttttttat tctatcatct ttataaaagt aggacagctt tgggtcttga 60
 gaagtgttgt tccttgtaac gacttaacct cagatgggac aagcaaatg aaaaaggcta 120
 taagatcatc cctcatccct cacggtggtg ctgttacggt cccaccacc caatccaaac 180
 cagattgcc a cattattca aacaaagtgc cataatttta acccggaat taataaattt 240
 acatacaagt gaggagataa gcttaggatt cccaaggaa actgacaaac cctacggtcc 300
 cgattgctta ataatcgtga atgggaccca atctacggac aatatcaatc cactcagtgg 360
 aaagtccaaa gccaaattta ccttggttatt attaccatca cccgctgctc atggatgcc 420

ttcctgtaca cgtgtcacct cccacccgta tacggcgagt caaaccagat tcgttcactc 480
 acccaaattc tgccatacca gagagcgccg acttggacca gtttggggat c 531

<210> 30057
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e11d1

<400> 30057

ctctcctagt agtgtttttt aaacaatggg agaaaacgtg ctttgatgta atgtggtaaa 60
 tagaaaaaga aaaaacagtt ttacaaaata tcaacatggt tgatgactct tgggatgtat 120
 acaacaagtt gcccttctac ttagtgtttg tctttataca ggagctatct ttgaacacga 180
 aattgagtct acactacttt cttttttttt ttaaaaaatg ggccagtgcg agatgaactt 240
 tttgaaaatc ccctctttac aggatttggt aaaactaata ccaatgttcg cacgaaggga 300
 tgctgtacag tgccatcccc aatttgcttg tcaatgagga gccaatcatt ttagccaaag 360
 gaacttcaaa agcaaatccc catacctgaa gggcattatc atagtgccaa tgatactagt 420
 ctgttttata cagaattcta tttgattcac attgaacgga agatataaca tgatgcc 477

<210> 30058
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e12d1

<400> 30058

ctgggtcaaac ttaatttttag tcattactta tcatcattgc tacacctaac atcatagata 60
 tgcccaaatt aaaaaaaaaa attgaatata cccgacaaaa ctcgtaatat aaacctcata 120
 gccattatct gggggatttt attttagggg ttatttaatt ggacaatttt atattttatt 180
 tcattcgggg catattatcc tcaagccgct ggtgattggg taattgcacc caccatatcc 240
 agtgctacgc agggctgggc agtaggtaca aaatgacccg ctccaaggat ccaatagaat 300
 tgtaggtttt tgtatgactt aaaaaaccct ttgggcgggt tggcacttcc acagaagagg 360
 ggggttgctg tctttctcca agaaattttg aagccctgtc cactcgagtt tttaaagcca 420

agcttcagtc cccttgggtg cacaaatgag atccacttgc ccactgtgca c 471

<210> 30059
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033f01d1

<400> 30059

atggaacata tttttgaatt atgttatcaa attctgtaca caccccaata ttatgggttc 60
ttatcttaga aataccatcc accttcatac acaaacaata tctatcctat atacaaacaa 120
aaggacacca agaaccaatg catgggaaaa aaataaaaaa taaaaaatatc tccagctgtg 180
ccagcccctt tgccatgccc atctgaggta ggcaaaaatc caagaatcta aaaagctatg 240
gaggaaaaaa aaagctacca atttataaat cccaccaacc caccgaattc ttgggggtcat 300
gtctgttggt caccctcttc tttcttctct tgaatcctga atctcactcc tgtctgtgtc 360
agaatattcc ttctgggact caatttctcc actaccctct cgatttcttc ttcggtgtct 420
tcggtcctct cttggtaaag ggtattcctc tgactccaac attcgtacaa cttggcccat 480
cttgggcctt ttctcagaat ctggatctac acatcttaca gcagt 525

<210> 30060
<211> 382
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033f03d1

<400> 30060

ggggccatta gggagagaac ttttttttaa agctaattaa cttagctcgg aaaggggcca 60
tgccgacttc aaaaatgcag ataaattaaa ggtttatacc tgccctttttt aaaacaatta 120
ttgaagtttc atttggactc gggggcctta tttcacacca aattatgctt ttgctaaaaa 180
ttaattgaaa ttaatcgagt ttttgggctg cttaattata ggaaaaaaga gcccccaaaa 240
tttttcaaac tctggctgct tctgattttc atcaaacatg gcaaacacat aagtttcaag 300
gggggccccca ggccttttag ggggtccttg gtttacattc cgaaccaagt ttgggggtgga 360
agttcttgca ttatcaaggg aa 382

<210> 30061
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f09d1

<400> 30061

gctatgtaat gactttattc atttgataaa gtaaaaaagg gaaggaccta gaacaagttc 60
 cttagggtccg gcacttgtca accattacct gcccttgga cgaaaatttg tgatcgga 120
 atacagaaaa acaaacttat ttacactgaa tttcttttat caccattaac aagacagtca 180
 aaaaaacata tattgtgacc tgagaataaa cactacttta gtgtcccagg ctctgcttta 240
 tgtatataag gatgaaatat taaaaatgta gctatatatg gggggaacta agagccatct 300
 ctgcctttgc tgcacagat agctgcactt cccatgaaaa tctagcttaa ggaagtttag 360
 tcctcatcac tatcgtacac aaccgccatc cgccgatggg tggttgtttt ccttgaggga 420
 gagtcctcat cagattcaaa tcccttctt ttggcactgc ctctaaactc cttgttcttc 480
 tgctttgggt cctcctcttc ctctcatct gatgcatcat taacttggtc agcttc 536

<210> 30062
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f10d1

<400> 30062

aaattataaa gtttttttta ttattcaaa ctaaagaaa cacaggaaca caccatcaca 60
 aactcatgta accctgcaa taaaccatca ccctaaact ccagcaccag cagcttgctc 120
 acttcaatac acaactccca gaatttctca tgcaccacg tggcaagcac gctgatgtgg 180
 agccaagtgt tgtgcttaca cgtaggtgta ccctccataa tacaacaaa gacttaagca 240
 tcatataata atattaataa agtaactaa agaaataaaa agaaaaaaaa aaaagaggct 300
 tttcaacatg gcatgcaaaa tggtagacct gatccccaca actaggacca tttttaact 360
 tggttttctc actcactg tccataggct taagcttcag tcttctcaac aggaacctct 420
 actgggggtt caactgactc agctgggttg ttctcttct ctgtgggtgc tgggtgtgct 480

gctgctgctg attctgttta gtagtttctt taggctcttc tgcttcttct tt 532

<210> 30063
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033f11d1

<400> 30063

ccaggaaaag aaatggttgt ttcaaccaa ccaaatgggt aacaattcac atttttttta 60
caacaaaacg ggataaaaaa aaaggaattt tacatatttg gctagccttc atgcttttat 120
ctcaaccttt caaggaaggg aaaccccaa accaagattc ataaaaggaa tggttaaggg 180
taggaaaatg aaagtccctc aaccacttgg ggggtttttt ggggggttcg tataaatagt 240
aatttccttg ggccatcttt catactccat tgggataact aaaaagcctt tcctgtgtcc 300
gattgatggg ccaaattcat aatactttgc cttegcaatc cacatttggt ggaaggggct 360
gagggaggcc aaaatagagc ctccaatcca gacactgttc ttctgtttg ggggggctac 420
caccttaatt ttcatgctac cc 442

<210> 30064
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033g01d1

<400> 30064

aaaaagcaag ttatatcagt tgtatacatt gaggaagta ttgggtttat atagtctgta 60
attacgggct tgtcataatg tgtatggacc agcccatcag cacagggtgca taatatacaa 120
tggtcactat tgctttaatc cgtgatcttg actgttggat ttcataacct attacacaac 180
tgattgatag catgggctaa acaaactgca gcatataaat atggcaccat tttctttccg 240
tgagtaatgt agctgggtact gggtttatca acaagaacaa cattaacctc acatagctcc 300
atctttgctt gaactctgct ccatgtcagt ctgatcttgc catggccact tcagattaga 360
agatgaggag cactgctgtg gaactgaaaa tgaatatgag cttgtactgg cacactgctt 420
cttacatgat gaaaaatcag ctggggagca aatgacttgg tcaatgcttg acatgccagt 480

atctttgtta tgattctgag agttat

506

<210> 30065
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033g06d1

<400> 30065

atatgaatgg attctcccct tactgattgg acaatttatg ttacactatc caatacatca 60
tcatgaattg acattcaact ctaattaatc cactctacaa tggcacaatc cataatTTTT 120
gtcccattat tatatacatc aatcaaatga atgcattaca caaccaacca cacttatgtc 180
ccataatagg cttccttaaa gccaaagcaa tgaacaattc aaagaaccat ccaaagctca 240
aaagaagcat ttgctttgca tcaatcacca cgctatgtgt tggctttctgg atctggagat 300
tggaaaatac gttgagccaa ccattgaaag ggtctcaaga gttgagccct tttcttgccg 360
cagaaccaaa tggcagcatt gtagttttca ttgcgaatct tctgagtggc tgctctccaa 420
tcatacttct tcactctcaa acgtgcagct tctcccatgg tttctctcaa ctctttgtca 480
tccaaaagc 489

<210> 30066
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400033g07d1

<400> 30066

atcttctaaa ttttacattn taatttatac ggggggataat ggggggctat agatttttgc 60
aaagggcaaa ataatcatca aaaaagcgag aacctgttat ccgccggtta acacacatac 120
tataaaacgt gcgacatgat cctagctggg aagataattt cggccaaaaa aaacaaccta 180
tttttgtaa ccaaccaaca tgcagcccat aggggtgtcc cctgaaccaa aaaaaccata 240
gcacacccca ttggatgata ggcacccac aatataaagg ctaagtcaaa gagtgaacat 300
aaatgcaagc ctgagactaa aactagatgg ggggagggga ctgcgattag cacttacat 359

<210> 30067
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g09d1

<400> 30067

atatggacaa atgtatTTTT gtagtgTaca agtgactcag cttgggcccc tcagaaataa 60
 acaaatctca taggatgatg caagaatgcc acaaaaataa gagaaagaga gaagaaagag 120
 gcttcttacc tcaatctttc actgtaacca aaaagaaaag aaatgacgaa actagtggcc 180
 ctaattctgt ctgtctaaac tagtgctatt ttacctggca ctggaatctt tttgggaact 240
 ctccagcttt gcaagccagg gctatgctct caaaaaatac aagtggacag ggtgggttta 300
 cctcactagc ctacacacac atatactcat gatcctcctt ttcccacaaa aggtaatgat 360
 ggacacaacc caccaaaaat ttgggcttac ttggacttgg acaaaaagaaa caaagaacag 420
 agaatggggg actctagctt tcttgtccac cattggatgg tcccctctcc a 471

<210> 30068
 <211> 597
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g11d1

<400> 30068

aagggggaat tctttctcat agagtttgag caagcacagg ggcaaggact agaaaatcat 60
 aatggttctt tttgaagtct gctggttatt caatcatata tccttttgac aaccttttga 120
 ttgtcacaga agccctatct tatctatgat gattagtcag cagtccaact ctgctcaaca 180
 atctcacgta ctcttctggt gtattcacgc ttgttttcac tgaacatccg agcagcttca 240
 gaatttgctg gtgaatttgg gtttgatca cacagcaatg actggattga ggtaagaatt 300
 gcagctacgt cataaatagg gctccactga ttctgtaaaa tgtccaagca tatactgcca 360
 tccgcataaa tgtaggatg aaacattcga gaaacaaaac gcacagtagg tggtttatta 420
 ggataatcct ctgtaaaactg aagtgtcaac ttaaactgtac ctccatccca aggggtgtca 480
 tctggtccaa agataacagc attccaaagc ataataattat tgtcttgggg agccccactg 540
 atgccagcag gaggatcttg gggcaatctt taaaaaccct cataagctct ttcttgc 597

<210> 30069
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g12d1

<400> 30069

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 gatgtccgat ttcaattgct gcaatgcatt tacaagctct ttgttcccc attataaaac 120
 tatacccggt ttcttaaaat aaaattgaag acaacatttt gatttactat atagttgtaa 180
 ctgatcaaca agttttgaag gaaccattta atttattaag caaagcaaca aaaaggaat 240
 agaagtgaca aagcaacttg tatcgtatgg tagttatagg tcatcgggaa caacaagaaa 300
 agtaggtttg attttgctta gatgttgcatt caccattggt gacgaggctg accctgggtga 360
 cagataaactt tgccttgat gtttcggagt tgagaacctt cctgactacg ttggtgtata 420
 tctctcgaat taccatctt 439

<210> 30070
 <211> 602
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400033h01d1

<400> 30070

ctgtaacaaa tgcataatt gttctaccat agaagggaaa cgaggaagaa attgggaatt 60
 tctaaacacg acacaagaaa tttgtgattt tacatattat atacataaca cccaccatga 120
 cgggaaatca tcccctggga acagccataa caaaaacctat cacgttgaca gaatagacta 180
 aacacagtag aatgaaactg gaactacatg tcttacaaca acatatagac gaggggcca 240
 aacaccataa cctgttcact ccaaactcagg tcaaacttga ttctggatag tttttttcaa 300
 gaattccctt tcaactttata ctacgatagt ctttcgcatg aatctcctga gtaaagcatg 360
 ctcgttactc atcttcgtgc ttgattgaaa cttggggggc acctatccag gtccatttgg 420
 agcaacagaa taccattctg cttttaaata tttcacaacc ttttcatcta attcttctt 480

atttctccac ttctacttct aggaacagaa ccatacttcc cagaatgcac tcctaaagca 540
 tgagcaaaca ttctctttgc agctcctaag ngctcncttt ttatgtagnc ttacttaca 600
 ct 602

<210> 30071
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h03d1

<400> 30071

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 tccttttttt tcccccaaaa ggggcaattt ttcccccca aaaaatcaaa agaaaaaaaa 120
 ccccttggg gtttccgacc ccttaaaaag gaaggggttt gggggctaaa aaaaaaccca 180
 cccccattt ttttccgggg gaaaaaaaaa aagggggcgg cccctccca aaaaaaaaaag 240
 gggccctaaa aaaaaaaatt ccccccggtt taaaacccca aaggcccccg ttttttacct 300
 cccaaaaaaaa aaaaccccct ttttttataa aaaccggggc ccccccccc cccccctttt 360
 tagggggtcc ccccttaaaa aaaaacttcc caccacaaaa acctattttc cttcccaacc 420
 gggaggggaa accccttgg ggcccacccc acaattgggg gagcggtttt aaaaaaaaaac 480
 caaaaacctc tggggccccc caaaaaaaaa agggtttttt aaaaaaccta aggaaaaacc 540
 ccccc 545

<210> 30072
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h07d1

<400> 30072

atcacaaatt aaatccactt ggacttcac agagatatta ctatcccctg gttgatcatt 60
 cagcttccca aatcaaatta cctcaataaa attaatttag tccaagctac caaaaaggac 120
 taaccaaaaa taagaacact aatttacata gaaagctaca gctactgcta ccaataatag 180
 tacagaagga actatcgtag ttcacgcca actttggatg atagtgccga cagaagctgt 240

tcttgcggtg aaaacttggt tcccatgttc accgtggcctt gttggatcat caaatcattc 300
 accacagaca cgctggcggtg atgcacttcc aagtcaagat ctttcaatgc tgccatcaac 360
 ctggctgcag ggtggttctt cttgctgcat tggattctta ccattgcac ccaaccaatg 420
 atcttcacct ctaactccaa atcagcgagc ttgcttggtg tcttctttgg ttctacgcta 480
 ttagatggag gcggtcctgg tgggtggt 507

<210> 30073
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h08d1

<400> 30073

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 atcaatcctt ttacaagtta aaatcaagac atatttttca acatttggag aaaatagatg 120
 agagaattgg tttacttcta aattttcctt tcctataact tggtgaaaag ttcattccaaa 180
 ttcagcctga ctttatctga caagttgcac acaaaagatg gtgattacag gaaaatcttt 240
 ggtaaacctg tttccatgga atatatcttt caggaagaca tggataaaac tacacaactt 300
 tgtcatgcta tttogaatac tttgttcatg atacgggtgt ttcacccttc tcactctcca 360
 ataactttaa ctccctacgc caatcttcta attttgctag cttttccaac tgctctggct 420
 tcagatcttg ctctgcactt ttctgctcca atgcttctgt aagtcgaatc ttctttttga 480
 gagcacgaat tcttttatca atatcttgag cttggggcga atcttgcaca gcgagccgat 540
 ttacct 546

<210> 30074
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a01d2

<400> 30074

aaaaagggaa catttttttt tttttaaccc cagcgggggc cccccctttt ttggaacatt 60
 tgttctccca cccccaggg ggggggggaa ggacccaaaa aaatgggggg taaatttacc 120

002220"EFFES60

ggttttttttt tttttttttt cccttttttat tttaaaaaaa caccctggga ttgggggtccc 180
ctttcccttt tttgggcccc ccccatTTTT cgggttttaa acttgggggc ttcaaccttt 240
tggaaaaaca actttgggtt ttg 263

<210> 30075
<211> 61
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034a03d2

<400> 30075

aaaaggggcc ttttggtccc atatgggaca acaacaaaa cccttttggg tttttttttt 60
g 61

<210> 30076
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034a04d2

<400> 30076

agcaaaaaaa gaagacccat aatcattaga attcgctcta aatttaccaa gaagctcctt 60
ttgaacagaa gaaaagaaag gtgaatactc ttactacccc cgtccacatt ttttagtttg 120
gtctatttat tcacacaata atcaaccgaa ggtggaacct gctgaaatat gaacaagaca 180
tgccccatcc ctgaacctac tacctttaag gcccatctgg gttatggaca tgttctttca 240
ggccaaagca aaaaaaaaaa ggggcttttc attcacattt tatttgacta atcaaataac 300
atcagatggc actggcgagc cgtttctgga gcaacttcta ccacttacgt taggtacggg 360
ctcatttttg cagtgccac tacatttgaa ttttgattca caagtttggc atttca 416

<210> 30077
<211> 381
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034a06d2

<400> 30077

gacagcaaaa aataactctg atgttttacc ataatcaaga aattcataca ttgtatgttg 60
 cttgctccca acgagtactc aaattaggag gggttaaaaa atgggtgcat cgacggcaat 120
 gaataaaaac ggcactttga tttgtaataa ccagttcagt tacatctgaa acagaatgct 180
 ctaatgacat tataacttgt aaattgttaa tatggatggg aatattctgc tctacaattc 240
 aagggctgca aaggttcttt aaatcctcct ccttagcata ccaatttggt attatttttg 300
 aaacatgagg attaagatcc ttgtaggagt tcctaattgt tccttttgca acgcctgtgg 360
 catgtgatat atctctgaaa g 381

<210> 30078
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a09d2

<400> 30078

ctgcgcgaaa agaaccgaca acaatagggc aggcaccaga ataaaacaca aggccccgta 60
 agaagaacaa acaaaataaa aaaaaccacc accaaaaaga ggaaaaaaca gaaaaaaaaa 120
 caaaaacacg cagtgtcgaa agagaaaaga agggggagct gccacaaca gaaaaaaca 180
 gagataaggc tggcagaaac aacggagcag cggagtataa aaaaaaggga caacacgcat 240
 gggggtgcc a tgggggcaca caaggggtgag ccccttgctg agggccccctc caaaaacttt 300
 aacaaaaaaa gaagagggggg gacagaagaa aa 332

<210> 30079
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b02d2

<400> 30079

caaactctaa acatatttct tttatgcaaa tatatataat cagaagagca attacaagat 60
 gatagtagtt tcacgataat gcaaataata attatggaaa tacttttggt acataaaaaat 120
 cacgagttga taacaacgtg cttagaatta atggatgatga tatgattgtt acgttattaa 180
 ttattatgat cctgttatta atagcactact tattattctt gatagcgaa aggggacact 240

tgcacatcta ttgtgcattg aagagtagt

269

<210> 30080
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034b03d2

<400> 30080

gatactgatt tgatgtttgt tgaatcacag ttcaatcata ggactgccat ttactaaaaa 60
cgaacaatgt cctctgagaa caagtaatat gaagtttaca tccatcatta tgcaaatttg 120
attcccattc caaccagaaa ttcacctcta cgatgaattt tacaccatag tatatttcgc 180
gctaccata aaatgcaggg gcaaaaacag aaaaagaaaa tagatcatat tcatcattat 240
cagatacttt gaatggaata aaccaattt aattatcttt attatgggag cctattttatt 300
aatctttttc atcaaataaa tctaaagcta atgatgttca aagccaagca gggttcttaa 360
aggatgtaac aacaaccttc acttgcaaga tggtttttga gaccggattt caacttttt 419

<210> 30081
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034b05d2

<400> 30081

gggggggtca caaagcatag cccaatttgt ttcattcttg ggacatgggc tacatgatat 60
ttttattaca ggggtggttaa aaaagacccc cttaaattttt tatcccaatt tacataaaac 120
ccaatccata cccttttttg ttttgaagga tccaaagctt atgcaaattc cttoctgac 180
tgctatttgg ctacatcaac taactgatgg gcgaggcaat cttttggcaa tttcctggga 240
aaagcaacat ttcaatgctt aagcctaag gaatggccaa caggggggat aaaattcata 300
atgatttttc aaaaaggggg gatgttgaga atagatgaac tcctctttgc ttaagggcat 360
tcacaacaat taga 374

<210> 30082
<211> 528
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034b06d2

<400> 30082

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ggataacttg atattatattt attacatata tgcataagata gcctgctctc aaataagtcg   60
gcaggaacaa agatagagag attcaacgat cttcaaattt cacatttgcc agaaatatat   120
aacagaaaag aggggtatgg gatatgagtt aagttttgat cacattcaac tacactatcc   180
caaaccgtta ctcttaagac tttgaacttc acttgtaactc taggatcatg ttgttctcag   240
gagctaatacc aacacaagcc ctcaggatgt tttccagcat agctcgctgc tttgacaacg   300
cattcaccac tgggtgtacc ggtggaacca gaggggcctt ggtcaggtaa ctaaggatgg   360
tcgcaactgg gtggaatgag tggaattttc cctcattttc agcttttaaac tcgattcgag   420
tgctgagctc agcaagaaag accaagtcca agataatagg agcagcttac agtgaattct   480
cacatgtgtt gggcaacaca ttggggttct ttccacccat gaatatct   528

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<210> 30083

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034b07d2

<400> 30083

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caaagtaata taatctatac acaaattaac aatgagtagt gtccactcca aactcatttc   120
actctcattt gaaggccaaa gtagttgaaa tatcttgtct acttgttgct ttctttatta   180
agaatttttt gaaagattca agaattggacc ggccaagaat ctcagccaag gaatgctcaa   240
tttgtggcag aagatggtga gccagagggc ttaaaagcag cttgttcagc acaggagaga   300
acttcattag gccctgcctc ttctctgcca acaccaaga gatcaagata ataaagatag   360
tgtgaaatga tagttgatca tggcctcatt atctgaatcc tgaccacaag tttgatcccc   420
atagagcaag ttttattggg ggacccaaat ccgggtaccc cttttggaca aagtgtcatt   480
ttttggaggg ttttccagtt ggccaac   507

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<210> 30084

<211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b08d2

<400> 30084

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gttcgggtaa acccccctgg gggaaaaaat ctttactttt acccccaaaa gccccctgcc  120
agaatgggtc ctttattgag acccaaccct agccctccca ggggggttcc cccttgtatt  180
tctccccgca tttttctttt taaaggtaaa ccttttttgg ttggtggggg ggaccaccac  240
cttccatgaa aggtgggtta ccatgccccce attagtcaag ccctttttgt cgtcaagatt  300
tttttcttta agagtaaccc cggggcctcc tcaggggctt atgggccttt taaaaatggg  360
ccgttgcccc caaatTTTgc tcttgacaaa taacaaaccc tttttcctgg aatatttgg   419

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<210> 30085
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b09d2

<400> 30085

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acaaaaaata tatcttacia gattccaaag ataataaatc ctcaatttcc tccaccatta  120
caattacaaa aggaggagct gagttccaaa ttacatgaaa gttacagact ctcgatgaaa  180
ctcacatgaa agtttcaatc taaaataccc catcatataa acctaacaag agagaagaac  240
aagacttttt gcttgccctt ttctttctcc ttggtgtgtc cttttttttt attcttcttc  300
aaaaaggata aaactaagaa gaaagaaaat tcccaccttc tctcaattat acatgacacc  360
ttaaatTAAC tcgtgaacaa cggtatatac atataataca ataagattga aattaagatt  420
agctcctcag tcccaaaaat ctctctgct cttagaactt ttgtgattct ttaatccct   480
tttcttttct ttttcatggg ttaaaattga attaagcaac agcagatatg ct           532

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<210> 30086
 <211> 544
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034c01d2

<400> 30086

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tagtttaaata tgactgggtg taacgaccca ttatggtttt ttatgattac ttctgtgttt 120
aattaattaa taatttaata attcactaaa cgtttttttc ctgcaatgaa ttactttttt 180
tgtttgatta aaatgtatgt taaaaaatat ttttttatat attttttggc atttgaaaga 240
caaaaaaagc tggttaaaaa ggtgagataa ttgggtccgac cagcaccata ttttgcaact 300
gatcacttga tcaacttgatt atgatcactt attgaagtag actagcatag tacagcatca 360
gcgaggaaca atggtgggaa tgacatcact gacaagatca cttcctgaaa catatgagga 420
catgtgttgc tcctcccttg tcacatttga tgctgatgtt gatgcatatg atgggggtgc 480
tatgttacca gaactgtcta agctaacaat atctgatata agagtttcag ggtagggca 540
acat 544

<210> 30087

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034c03d2

<400> 30087

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cgaaccatta cggaaggcc aaaactaaaa gtggcagtga gccccggaga gaagcgaggg 120
ttcccaaaag acaagggtgc cagcaactcg atgtggaact tcctcagtaa cgaaactgcc 180
acactcttca tctccatcag agccactttc ttccctacac acaccctcaa ccccgtttga 240
aaaaccgggt actcgaacgg attcatgggt tgaaacaccc catccttcag ccacctttgt 300
ggccgaaact ccaaacaatc acaaccccat atcttctcca acctcccat cgggtagggg 360
tggttagtaa ccttagttcc actctccact tttgtcccat cgggtaaccc atcgtccttc 420
aagcaaaaact ctgagtcaaa ctgaatcggg gaaaaagcc tcatgctttc gtgtgtcgca 480
acttgcaaat agtgccattg cttaagctct ttcaagcttg tgagatcc 528

<210> 30088
 <211> 450
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034c04d2

 <400> 30088

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 cagagaaatg gataaagcaa tcatgtcctt ttatacaaaa ctagatacaa cgaaagaaga 120
 caccatttta aacagaggca tcattaaaga ggaatcaagc gaagacaaat aacacagctt 180
 gacattaaca taggctacta atcaaattag acaagacaaa taacatagct agagtctaata 240
 caagtggcca aatagtccca caactcatag cattgttcat gactccattg ctgatgttgt 300
 tgaaagtcac atccaagttt ccaagtgtgt atgaattctg ttcaccaact gttacaccat 360
 tgtatgaggg atcattacca tggacgggtga tggttggcga aacatgcgcc atgccgcgaa 420
 gattaatcgt gttcagttgc ggggggtgtg 450

<210> 30089
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034c05d2

 <400> 30089

 aaaaaaaaaa aatgccttta tttttcattg caacattggt agagtaaaac aacagtcata 60
 tatgtacaac acatttgatt ttttaatat gacaatatgc tategttcca tctgttaaaa 120
 aagaccactg aaaagaggat gcacaccgac catgtgcacc gttcaatttg agaaatcgat 180
 cactgaaaat tgagttgaaa atgaccattg aaaagagggt gcatttcgac cacatgtaat 240
 gttcaatttg agaaatcaac agctgaaaac tgagttgcat atccactagg ggccacgcgg 300
 aagatcaacg tttttttctt caacaaggaa ttcctctggg ccattgctaa gataactgag 360
 agcagacatt cggttgagac aggtgaagac caaaatatgc aatccaatgg tttaaaagaa 420
 tgcga 425

<210> 30090

<211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c06d2

<400> 30090

ggaataactta tatgcattaa agggtcataa tgctatctgc agttgtgtcc atatcatatc 60
 aaggcactca aattacattg gcaaaaaagg tagatctgta gcacacatcc tgttataaat 120
 tacaaaagcga gattgtcttc atcacgaagg tgaggatatag caaacagatc ttagcactct 180
 catattccat taagagtgc aacaactctt cgtgaggtag gatgatcccg atgctcgag 240
 agccatatac cctgccatgt ccccatgtta agcttgccat ttgtaatcgg tatcgtgagt 300
 gtacaaccaa acatcgatga tttaatatga gctggcatgt catctggccc ctctagagta 360
 tgcttccatg ggcgagatga cccctcgga actatccgat tgaggaagggt ttcggtatcc 420
 tcgcgaacat ctgagtcata attctcattg atggtaagag aagcactgggt gtgctgcaag 480
 aagagatgag ctatgccaca ccttgaagcc ggagaggtct tgctcaattt c 531

<210> 30091
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c07d2

<400> 30091

aaaaagaata tgtaagctaa attggcattt aaaaagtcaa aaatagtaat agcaaagcaa 60
 aaaaaaaaaa agaaagatgt aaaaatacta tagctgccat aaaatgctag ctaggatttg 120
 tggcagacca ccgcggtgca tgacaaatca ctgtctatgc tccacaaatt gaactcgtcg 180
 agccatttct gaattgaatt cagctccatc tcaacttgacc aatataccaa cttcttatcc 240
 cgaagagaag ttctactacc agagccaatc tttgtggcaa aag 283

<210> 30092
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c09d2

<400> 30092

atctggcaaa tagaaagagg gcacattagt tattttattga aacagggaaa tgtcaggaac 60
 aaccttggat ttctttgaca tggaaaaatc ctggatttca acttacaagc atattctttt 120
 gaaacgaaat tccatccggt accactttaa tggtaaaaag gttgggcacc taagtttcct 180
 ttagaaaata tgagagggtc acacttcate aaattttatt tgaagcaaaa aggctttcat 240
 agtggccttt gaaaaaggca aaaactgggt ttttaggggg aaagcccttt tt 292

<210> 30093

<211> 487

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034d03d2

<400> 30093

caacaaaatt gttcaggcaa tccttaatga tcaaatactc aattgtatac atacattata 60
 taccaaaaata tattcaaatt atacaagaga aagaaaacat caaaagccaa aatatatggc 120
 aaagtaatat aatctataca caaattaaca atgagtgtcc actccaaact cgtttcactc 180
 tcatttgaag gccaaagtaa ttgaagtatc ttgtctactt gttgcctcct ttattaagaa 240
 ttttttgcag gattcaagaa tggaacggcc aagaatttca gccaaagcaag gcaaggctca 300
 atttgtggca gaagatggtg agccaggggg cttaaaagca gcttgttcag cacatgagag 360
 tacttcatta ggtcctgcct cttctctgcc aacacctatg agatcaaggt aataaagata 420
 gtgtgaaatg atgttggttca tggcctcatt atctgatccc tggccacaag ttttggtccc 480
 catagag 487

<210> 30094

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034d04d2

<400> 30094

gagagaaaagc tttttgctca ttttctttca aatacagatt acatgaaaaa taacaagtga 60
 acgctacact gcataccttg gacaataagt gaacttacct agcaaagacc agcacaaaac 120

ataaataaaa aaataagcga agtaaaagtg aagtataaaa cgctgacatt ccacgtttct 180
 ggaaataaga caagaaaaga aactcagaaa aatttgactt cggcgataaa caagcggaag 240
 aatcacagaa tctgagcagc tgtgttcaat ttttcagcca agctaagctg cgttcttctg 300
 atactagata aatacagcaa aagcaagtga tcctgcaaac tgtcattcac aagcttatca 360
 aaaactgatg gggacaattt gggaagggaa cctacagctt ctgatataaa tcttccgatt 420
 ttgttgtctg gtgccactcg ttcttccaca acatgggtcaa catatttgta gatgtcatca 480
 atcaagacta gcagatgttg cattgatgct tccatccctt ctaaactctga gggatttttg 540
 tcaactgcag ttgccttcag cata 564

<210> 30095
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400034d07d2

 <400> 30095

gcgacagaag ctaaagcatg ttatttattg tcaacatcca gcagtacaaa ataagaccta 60
 gcataagcat gcacaaacca agacttagta actgtattct caggggaccc tagtcatgaa 120
 agaagaggcc ccagtaagcc aaggcctaaa ggggtttaagt tggaacaagc atttcgaaat 180
 gcttgcgaaa aaaatgggtc ataaaggaac aagccaaagt tccttggaac acaaccaatc 240
 accaaaactgc caccaatcca cccttgatag aaatatcagc caaaatgtat gctgaatgtg 300
 acctgtacaa ttctatctcc ttccctgatt tagccagttt tatttgggtc tagtttctaa 360
 catgattaag ccagaatatc acatcttcac aacttctcca ctagcaactc cattgtgctg 420
 ctgccaatg aattgcagtt ttgaagattc aatcccagca agggctctggc ccaatt 476

<210> 30096
 <211> 174
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034d09d2

 <400> 30096

gggtcttctt taggtagaga ccaagggaac aaccttgtgt gagagtaagc caaagggccg 60

aaactcctcc gcgtcagaga accaaaaggg ggaagagacc ccggggaaaa aaaggggggg 120
 ggacggggaa cctactcacc agtgtgtgcc caattttgaa aaaacgtttc ccac 174

<210> 30097
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034e02d2

<400> 30097

gcagagaaca attaggggta tatattaac tcaacaaaaa caaataatat gagatgttta 60
 tgagaatttc atccacccaa gaccgttgtg ttccttaatt aatggacaaa agctaaactt 120
 agctcaattt cttctatccc aagcatttga gtttcaagca caggcaaatt tccatcttat 180
 gaagtttatt ttgcacacat gtatcggaga atatactacc tgttggcaac ataagaggaa 240
 aaagcgggct ttcagcttta gctacagcca tagcatcata ttaattttgg ggaccgatgt 300
 ccttagggac aaaatcggtc tttttccatt ggcgcccta ccggaaccac cagaaccttt 360
 tcttcagaaa aaccattttt tatctgagca agccatggct tatcagtagg aagcttcaga 420
 acatccttgg ttttt 435

<210> 30098
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034e03d2

<400> 30098

ataaagcaac ttcaaaagtg aactattatt aaaaacagca gtccagcacc ttgtagaagg 60
 aaaaaagtca ctgacatttc caaacacatt attctcaagt cactgacaat cctagtaagt 120
 taataactag atgaaatatg accaaatgcc aaaaataaaa gagtacttat ggaccaagaa 180
 agaaaacacg aggaatatac agtgatcaaa atgggatttc ccctactttt ccaaagtta 240
 ctcaaataaa aaattttaag cctgaactcc acatagtga gcattaactt gctcctagca 300
 tgggtctttgc atcaaaaaag accccagtca tgaaccctga agcttgtaac agcaagttta 360
 aagacctcat ccatgggcat gcatccggct tgagcagctg gaacagctac accagcacca 420

actgtgtctg cactttcact caaaggggtt ataacattgg gctcatatgc agagactagt 480
 acatcagttt caactcc 497

<210> 30099
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400034e05d2
 <400> 30099

aagcacaaaa gacgagggtg acttgatatt atgggtattac atacatgcat agatagcctg 60
 ctctaaaata agtcggcagg aacaaagatt gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ctgatcacat 180
 tcaactgcac tgtcccaaac cgttactgtt aagactttga actgcacttg aactctagga 240
 tcatgttggt gttaggagct aatactacac atgcccttag gatgttttgc agcatagggt 300
 gctgctttga caacgcattc accactggtg taccgggtgg aaccagaggg gccttggcca 360
 tgtaactaag gatggtcgca actgggtgga atgagaggaa tttttccttg ttttcaggga 420
 taaactcgat t 431

<210> 30100
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400034e07d2
 <400> 30100

aatagcgggt tgtagaaaaa ctcctttaat ttgcactata tcttacaatt ggtgccgtaa 60
 aaataagaat ttgcaccaag agaaatcaga atcggtccta aagattttac agtgaagaag 120
 ttgtaaaaaa atttgaaaag aactgcccct gatgattaaa aattaaactc atggaaaggg 180
 taagaaaaga aaatggctaa cataaggaca aaagaagggt ctattagacc tagtgataac 240
 aatggcttaa taattcaagg ggtcggtcaa attaaatccc ttcttggtgt gtacagcagt 300
 agtctttcta ttctccaag cttcaattca gccgtaatga atggtgatca gagcttgatt 360
 ttcatagggg tacttgattt gagccgttga aactctgaga ttgtattggt gttatcctat 420

ttgcattttg gccaaattcc atctgaataa t

451

<210> 30101
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034e08d2

<400> 30101

agtaacaatt gacaaattct tgttattgac aataacattg gattttgagg atacatcatt 60
atgacaaatg acaacacaat agtattgaac ccaagtgttg attactttct atctctctct 120
cattctctct ctctaattaa catcttattc tgttggaaat tatgaactgg aaactggaca 180
tatgacgcac ataactcttt tgcttgctta agtatataga aacatgaaat ggtagatgta 240
tagagatctc actgagatga tcccttaagc ttcttagcaa tgccagcaaa gtactttcct 300
tgatgaaaag cttgagccaa ttctaactta gttgggtgtc tggaaccatc cccggaattg 360
gtacctgcac cataagggga tccacccttg acattctaca tcttaaacad tccagcacca 420
aatgtgttac caatgggcac aaaaattcat cccatggtga acaagctgag taatagatgt 480
caacggagta tttttttgtc accttcttg 509

<210> 30102
<211> 411
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034f02d2

<400> 30102

aggcctaaat tttctcatg ctggaatttc caattcattc atcaaactga tagtaacacc 60
atactaata aataaaataa aaaaatcctt ataaactcaa aacatccaaa tagtagtgat 120
gacttgagc acaaggaaac ccaaaacata tgacctccta ctttcccaaa atttatactc 180
atztatgcca actattatgg gaaagtgaat aatggcaacc aagaaaattg ttccaaaaaa 240
caattgccag tagtaataaa attgaaccaa actgaataat gcctcaaaat ccttgagatg 300
aatgtcttt cttatgccac agctggcatg tccttgagcc atggatccaa tggcttgcca 360
attgagtaca caatgaaacc aatcttacgt agcttttcca catccacaat g 411

<210> 30103
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400034f03d2

<400> 30103

aatattaaac aataattttg gcatcataaa ttcttccgga ataattatac aaaagtgacc 60
 agggaaaacc cgatctgccca gttgcccact gaataaaaac acacatcata ttactatgtg 120
 ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcocct ttatccctcc 180
 ttaatcctta tgccgtaaat ggcaccatcc cttgtaaatt gtaattgctt cttcagaaat 240
 agaattatac aaaggtagtt gcaatatcta tttgccaaac tataaatgta aagacccttc 300
 ttcccaatcc tagtagtgtc ccaattgtat ttacaaaggt gggacaagat atgtatatac 360
 aagtacaacc atggtacata atgtaacaat aatcatactt tgggtctttac tagngcacat 420
 tacagggagt tattatgcac tgaaaccctt ttgcagagaa ct 462

<210> 30104
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034f05d2

<400> 30104

ctcattaaag ttggaggggc acttggggat catatattct ttacatactc cttgaagtcc 60
 ttcgactctt gcacacattt ttttagcgaa aaagggctgt tcaatattgg gggctctgtt 120
 tcccaggaca atctaacttg ctggggggccc ggcccccaaa aagaatggaa aagcccgag 180
 aaggggggtg cccttttgcg ggcccccttc tgggacaaaa cactgaccga agagccccgc 240
 ctttcttttc caaccccccg ggacaagctc c 271

<210> 30105
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034f07d2

<400> 30105

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aatattcata gccaaagttcg acggtggact ccacgctcac aatgcccagag aaagacattc   60
cagtagcctt gagcacacat tttaaacatt ggcttcattc tataatTTTT ggagcagtat   120
cgcacttaaa atagtaacta ttagaaggag ctatctctaa ttaattgaaa cattaataaaca  180
tgtaaaccac atcagctcat tttagtaaaa atgacagatc cgagattttc cgcagcaata   240
aagaagcaat gtacaaatta ccaacatacg aaacattcct tgagtgcctat ggggcaatat   300
gcaccatggt gctgtaaagg acctgaacgt taagtgcata attctcgggt caccatgagt   360
ccagaacaac tgcttacagc atcaagcagt gcttggcata gactcaataa ggatctgata   420
acctttggaa cagaagtctg tgtcttggca cattccgggt atgcaggaac atcagctttc   480
agggcttaaa cccttgttat tccagaagga gatgataatc agaacttccc tttcaaaaagg   540
aaggatttt                                     549

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<210> 30106

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034f08d2

<400> 30106

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aataaagcaa aatgcacaca tcccccaaac aaaacaagcc ttattcaacc caaattgggt   60
tcatatcaca gaaaccaaca ggatgccgcc ttctctctta ctgggtccac cactcgaac   120
aaaagttcta cagaaataaa aatggctaca attcttctac cacaatctg aaaagtctaa   180
caccaaaaat caaaaaaagg aaaattaaac aatcaaatcc gattgataaa accgattttt   240
gtctttccct cactcacttt tcagttgatc atctcaatca cttagtacct gtagtgagca   300
ggcttgatg gacctcaac aggcacactg atgtaatcag cctgggactt gctaagctgg   360
gtcagcttag ctccaagttt gccaggtga agtgcagcca ccttctcatc aaggtgcttg   420
ggcaaacgt aaaccttttt ctcgtacttg ccgggactct tcttctttca caactcaagc   480
tgagcaatga cctggt                                     496

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<210> 30107

<211> 489
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034f09d2

 <400> 30107

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 actactagct caaacactca agtctccaaa aacaggagaa gatctacacc cctgaagcaa 120
 ataatctttt ctttttctta aaaaaaaagg gaaaaaaggga aacgaatgaa aacagagtgc 180
 acctaaaatg aaactaaagc ccaaaattta tctgtagctg tggatgatgat agttgacagg 240
 gcgccattta aaagattcaa ccatttcaat cttctcgcct tggcctccga cgcggagcat 300
 tagatgcttc ctctttctct ttgttttctt cattctctgc accaccttgg ttattggaag 360
 cttctgtgcg ttctggtttc ttctccacct ttgcaggttt cttgccacca aatatgagcc 420
 tgatgaaaat tgacacgaag acaaccacaa ccgctacaga attccaatag tgagatttgg 480
 ctggttctc 489

<210> 30108
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034g02d2

<400> 30108

 atattaactt ggtctgattt gaattttatt ttaaatgaaa actgaatcga accaaatcac 60
 aagtttttta agtttgattt ggatgatttt ttaacaaaaa atccaaccta atcaaaccat 120
 gaacaccctt aacaaatatt gtatctactt tgcttctctt atgatagaga tcaaattattg 180
 tacatacttt gcttctctta tagataggga aattgtgcag gtccaactta aaaaccctc 240
 ccgaaaggga cataatacac ccaaacaata tctgagagct gcaattgcca ttagagatac 300
 ttcaatccca ttccagaatc aaaattagat tattttgtct ggcagcttgg agcggtaaac 360
 gagcccctgt tgcttgaaaa gggctctcct ttgggtctgc caatttgccg gggtttaatg 420
 ttaaagaacc cttcaataga aacctgtatg gtgtttgggt gagagcgttg caacttttg 479

<210> 30109

<211> 389
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034g04d2

<400> 30109

caaggcaaac aaaaacactt gtggaatttt tagaaaaagg aatttacatc aatactcttc 60
taaaaatata ttcacctata ctactacgaa tgaacccgga atgcataaaa ctttaacgcc 120
aaaccaaaac caaaccccaa tccaaatcat cacttttttag ccttagcctt agtcttcttc 180
gctggggatt ccacctctt aggtttcttc acgacacttt tgggcttttt cacggccttt 240
acgggtgtct tcttttttagc tggccttagca gcgacctttt tggccgcgac cttagcgggc 300
ttaaacttgg gcttggcagt cggggcccca gctttggcct tgggcttggc aacagccttt 360
ttcttaggag tagcagcttt gggcttggg 389

<210> 30110
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034g05d2

<400> 30110

catgagaagt ttttaaattc tgtatagaaa cactacatta tggattatcc aaatgaaata 60
ccggatccga caaggagaaa aacctaatct aaagttgagg tattatatatt ccaactgaaa 120
tggacttcta ctaaaaggca caggtaagct gaaataacat tgtaatgatg ggcagcaccc 180
atgaaactga ctgagaatgg cgattacaat aataaaaaac agattgagga gtccaaacta 240
aaagaactca aagtccagat ttttaccccc agacttcatg ttgtcagtac ctgctatcct 300
cttactagtg ctgccaaccc caacaggatc aactgggtccc acaaccttcc ctgctggtac 360
ttaattttcc atcgggtctcg gttcttttgg cggtgtggtg tacctaataca atgcccagtt 420
tacaccttca aagaagggat gctgcttgat tcttagttgc taccctttta aacccaaga 480
cgatgct 487

<210> 30111
<211> 467
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034g06d2

<400> 30111

aaataaataa atacaattat tgtattgaat catatctttg gaaatccaaa atacaaacta 60
 tgtcttttta taggatacat aaacagtatc catcaacatt caaaaagaag aaaagcccaa 120
 tattctaaac ttcttagaat cttatgtaaa ccaaacagca tatatgtgga aaatttgcat 180
 tagtatgaac taatcatggc tagcagtcaa atcttgatgc cttattttct cttttgcaac 240
 tactatcata tagaagtcca ttaattatta ctgcattgga tctaccataa ccttgatgca 300
 gtcctcttgt ctaagaacca tttcaactct cttctcttag gtgaaaccaa ttgagcaggg 360
 agcttataat cactaggagc ttctccagt gcagagtaga ctgcatctgc tctaccagca 420
 ccagtcacca ccattgctat gtttgaagaa gcattgatca ctggcaa 467

<210> 30112

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034g07d2

<400> 30112

aaagcacaca tatatcctct ttctaattaa ccaagagttg tggaagtaaa tcacataaga 60
 aaaaagtcac ttgcatatag aacgtttaat tgtccacagt tttccacagc agtaatagag 120
 aaaagtacag acacatattt ttttttgaaa gaaaagtatt gattgctttt aaatgcatta 180
 gcaggtgcca ctcaatgatg accagtcac actatagggt gtgcagaaga agcaacgggtg 240
 gtccacgatt atgatgatca gaaatcactt gatccgacgg cagatagtga ttccatcacc 300
 aaccgggagc atgcaaatct cgatcctggg gtccacagcg agggctttgt tgagctccag 360
 cacgaagtcc ctgtagtacc taacatactt tctaagagga gcacagggg gtgccaccac 420
 agatccgttt catagggtgt tggcgtgccc gatcacgccc ccaactttta 470

<210> 30113

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h01d2

<400> 30113

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cttctcataa attcctgttg gcatcagcaa cgtacaaaat tactaattgc tgattccact 60
aatactgtat acatgcaggc agcaacttaa aaaaaaaaaa aaggaaatta acataatagt 120
atatgattac atttgggatc attgtcaaaa caaatctccc aaaattttat tcctactctc 180
tacacattgc taatgtccca gaacaaaact agaggagaca ccaccaccaa aatatataca 240
aaggagtttg tttgtttgtt tctatcttga tattatgaac tcccaggatt catgaaagag 300
aaattgacct gattgattcc attgcaaata gagaaagttg gatatatatt tttatatatg 360
tcttcctttc ctcatgtttt cttccacagc ttgggtttta acaaacgaca caagcattag 420
gattc 425
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<210> 30114

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h03d2

<400> 30114

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catcttatag ggcattcctt accacattat accaaaccaa ttcaaacaaa ttacttaaaa 60
ccaaatatac attgcctcta agacaaaaaa caacctaccc ccttaaatta acaacactat 120
gtgcacccaa aaaacacgca ttcccccccc taaagaactc c 161
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<210> 30115

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h04d2

<400> 30115

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gacaatagag ttcaacacaa accaaactta ttttcaaagg tcattacaga cccattacac 120
atcacatttg ttcttaaaat gtttgggaaa atccaacatc gaacatcaca cagaaatcag 180
ctccagctta aaacccccca cgaagacgca acaccaagtg cagagttgac tccttctgga 240
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tgttgtagtc agcgagggtc cttccatcct ttagctgttt gccagcaaaa ataagccttt 300
gttggtccgg tgggattcct tccttgcct ggatcttcgc cttcacattg tcaatgggtg 360
cggagctctc cacct 375

<210> 30116
<211> 402
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034h05d2

<400> 30116

gcataataga gatcaattca taaataagta ttcagcaagc aatttatgga taaaaagac 60
ggctccgata aaatttaatg ttactaagca aacaaaggaa aaaagtagca gagtggggtt 120
tccacgagat aagagatacg caagtcgata agtatcataa aagattacag aagaaaagga 180
acagactctt ctcaactata tcctatattg tgctgttggt gaggagcttg gtaaccagga 240
tatcccgat aactgccata catgttgga tcctgtccag caggagcata accataattt 300
tcatactctt gagcagcata ccataatat ccaccaccag aaccagcacc agcagcacca 360
ttccactggt ttggatctgc ctgagcctgt atgtttgaag ga 402

<210> 30117
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034h07d2

<400> 30117

actgaaaatt aaattacttt gatacaacag aaccaatggc tcttttaaac aatacaaatt 60
atctcaagtc cttataaagg aatgtttata aacaaatgca agccatatac tcaactgctt 120
gtgagtattt atatatatct ctctctcttc cctactcaat gtacaaaatg cttattgctt 180
tgттаacctc tcaaggactt caaagtagtc aggaaatgtc ttctggtgc aaccaggatc 240
cttgatggtt actggaacat cccacaagc agcaagagag aatgccatgg ccattctgtg 300
gtcatcatat gtgtttatag ctgtgacatt caatttctca ggtggagtta tcacacagtc 360
ctcaggacct tcttcaactg ttgctcctag cttcctgagc tctgcgcaga ttgctttcat 420

cctttcagcc tcttttaact cttccaactt

450

<210> 30118
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034h08d2

<400> 30118

cttgtcaaaa tcaatggatt caaacagtga gaaggaaata cataatatgc acatccactt 60
ctacattgca aaaatatctt tacattgtta tccattacc agagaaaaaa aacatggcca 120
gggcttacca aaactgatta cagcacaaca ctactttaat ttgactccaa acacatatac 180
aagacagact aatcactaat tatggcatga catgtttggt aggggactaa aaatgaaagt 240
gaaaaaaagt atcacttcag tttacccta caccaaactg gtcccaaaat tgaatatattt 300
tctgtgggct aagactatta gtgcatgaa gtacattcag ttttgtgagg cagaacatct 360
catccttgct ggtgaaaaca cagctgtgag tctagcatga tcagaaagag aataatcttc 420
tgggcatagt cctttctcca cttcacggg atacagcatt gcattcttca ccttaaaacc 480
aatagcttct tgctcctgtt ctgtgttaca atcttcctg caaccattca gatattccac 540
acatgctctg gacatgtaga 560

<210> 30119
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a04d2

<400> 30119

gtcccccaa aactaatccc ccagaaaaa aaatttggtt aaaacatttc cggaacggg 60
gggaccccg gtaaaaattt gggggcccg ggaaaaagga cccccccct tgggtaaagc 120
cattaaccaa aaaaaacaag ggccgaacc aatttcaaaa aacggggggg cccccccca 180
aatcccccc tccccaggt ccccttggt ccagagggg ccccaagat tcttttagg 240
ggacaaaaat gggggtaaat tttaaacc aaaccgggg ccccttttgc cccccctt 300
tttgccctc tggggccgg aacaaaagg ggtccagag attttgcctt atcgccccg 360

gtgtccgccg cttttttaaa aagctggggc ggacaccgtt ttttttttaa aagggg 416

<210> 30120
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a05d2

<400> 30120

agaagaaaac gggtttcatc catcctgcta acaaaataaa ctaataataa caattaagct 60
tatcaaaaga agaagaagaa agcatagcgt agcaataacc ccatcaaagg ctgcactct 120
gagcaggagg aggtcttggc accacataat caaccacgac cacactctcg atttgatccc 180
taaccttata cttctgggaa ttcaccaact cctcgttcga atccactgcc tctaactccc 240
tcggccccgg gaaaaccgag agcgaagcaa tcgagaaacc cttgggtctc cccggcgaaa 300
aattctcccc aagactgaac tcactaatct gcttaaaact ctctggaatt cctctcacca 360
cgcccaacac cgtgttctta tccgcgtcct ccttcaattt caagaagctg actcgaaccg 420
cggacccccg cggcggaacg agactggcgg tggcgaggtc atcggcgacc caatcgacgg 480
acatgatgtc gtcgatgatg gggagcacgt atcccttgac g 521

<210> 30121
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a06d2

<400> 30121

agttgtgtaa taactttggc taattcaatg ccttaggaat gttccatgaa agatgtagtt 60
ttttttctag ataagacatt atgaacatga aactcaggt agtgggaaaa ctacagccat 120
gcgggattct tcaaagcagt gacaacagct ttaacttgaa ggtagcttct aaggctgtag 180
attcccctta ctctcccttg accactcatc ttatatccac caaaagggtat tgctgcatca 240
aagacatcat agcagttgat ccataccgtt ccagcttgca atgctcgcat caaggtgttg 300
gcagtgtcca tatttttagt aaaaactcca gcagccaggc cataggaagt tgcattggct 360
cttcttatca cttcctctag atccttgaat ttcaagatag attgtactgg accaaatata 420

tcaccttttg ctatcaacat gatgttctga acatttgaga aaacagtggg ttggatgtag 480
taaccttttg agccaatttt ttggccacca gatt 514

<210> 30122
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a07d2

<400> 30122

ggggggggccc gaaaaaataa aaaaatgcct ttttttgact ttggggttat ttttgatttt 60
gccaattaaa tttcccatc acagccgtcc attacacatg agttgggcct tttccaactt 120
aaaagcaggg gataacattg gcccatgacc cgacacatgc cccccctaaa aatcataatt 180
ttacattttt acattcaaaa taaaagact ttttaattttt aaaagaagaa aagagattaa 240
ccgatccttt taatgaaatg aaacccaaac ccccaaacat tggcttgatt tttggtgttg 300
gtggtggtcc caacttgatt aaacatgaac cttttgattg aatcacttgg acttgaaggg 360
aaaggccctt attaccacct ggtggttaaag tgcttcaaa 399

<210> 30123
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a08d2

<400> 30123

aatggaaatt tcagtgtcat taagaaaata ggcagttcag aaacgcgtat aaatggaagg 60
acaaactaaa atagcccagt acatccacaa ttcataacga agaacacgaa tgcccaaaat 120
ctcagtaaca ttgagattag cattcaacac cttctccctt tgaaaacatt acagaaggga 180
agttcaatga ctaataagca gagagtatgg tatgtttaat tttgttcccc gtcacctttg 240
ggtgcggctt ctttaatttc atctgcacca tcgtcctgca tgtcagaggt ccagaggggtg 300
aggttatcac gtagcagttg catgatcaaa gtgctatcct tgtatgactc ctctcccaat 360
gatatcaatt cagcaatagc ctcatcaaaa gcctgttttg caaggctgca agcccgatca 420
ggagagttaa gaatctcata gtaaaacacg gagaagttca gagcaagacc caacctgata 480

gggtgagttg gaggaactc ggttttagca atgtcctgag cggc

524

<210> 30124
<211> 577
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400036a09d2

<400> 30124

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
aaaagcaatg catccaaatt aaaaccacat cgggtactgg acacatctga acatcaaaca 120
caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
ttcctggccc tcaccagact cagcaccac ttcttcataa tccttctcaa gggctgcaag 240
gtcctcagcg gcttcagaaa attcaccttc ttccataccc tcaccacgt accagtggac 300
aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc 360
cacactgggtg gagtttgaat tcatgcaaac tgccctctgc accttggcaa ggctgcctcc 420
aggaacaacg gtaggtggct ggtagttaat accacacttg aaaccagtag ggcaccaatc 480
cacaaactga atggtcctct tgggtcttgat ggtggcaaca gcagncgtta catctttggg 540
cacaacatca ccacggtaca tcaggcaaca cgccatg 577

<210> 30125
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a10d2

<400> 30125

caagcgacaa gtaactaata cacagattga ataatttaat ttctttatcc acaaagtagt 60
tggtatatac acgccaacat gtcggttttc acgcataata aatgaacatg aactaaatct 120
ccaacatata aactaaaaac acacttgtat tgatgagagt taataaccaa agatactcaa 180
taaaaattaa ccattttttt ttgtttccca caatgcttaa gatttaaagc attagaaaca 240
accaaggagt ttttttggag ctgttccagt tgctctatac tttgcagctt gctcctctgc 300
cttaagaaga tcttcccctt tctttgcctc aattattgct cttctttctt cagcttcctt 360

gtggattgta gcaatTTTgt tttttatTTt ctctgcagct tctgcctTTt tcttctccag 420
 ttcttcttca atctttttca ggtccgcctc cactgcagct ttcttactgt tttcccatgc 480
 agaaactgat gaaagctTTt tgtgagcctt gttttcagct tttgattttc actt 534

<210> 30126
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036a11d2

<400> 30126

gggaataggc atgtgccctg cattacattt ggctgaatga gggctctattt ctaagcaaca 60
 tccaataatt agacaatcta ccagagttac tgtgtctatg accacaccaa tgtaatgagg 120
 taataagatt tccaggataa taatatcaat gtaaaatagt agcaataaac ccacagctga 180
 ctaggtacaa aattgcttca tgaagtattc tacacacgaa gcattttatt acctaggatt 240
 ggctatcctt tacagcagca agcatctcct ctttctttaa catttcgaac agatcaaaca 300
 cctgaatatg gcacaagata aacatttttt caatatgaaa aatgaaccat ttcaagcacc 360
 caagaaagat caacaagaaa ccacttttac tcaatgggat cttaataaac caatacagag 420
 tacatgcttg atagggtccat gaatttgcta tagtttactt cggtgttaat attcttgaga 480
 aacaggtggt ctcaattgat accaacaaaa ctaataaaat aca 523

<210> 30127
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036a12d2

<400> 30127

ggcctgtcca cacttatttg taataaatat caatcagttg ataaattcaa cagtaacacc 60
 catttcacat gccatgtact ctcaatttta ttaatacaga tagaccacaca acaaaaccac 120
 ggaagagatt aatccaatcc aaaatctgaa cacgtaagga gctacaattt ttttacaaaa 180
 acaaagcaaa actccacata atttggaagt caatattggc aatagatgcc gggtaagaa 240
 ggtaatcctg ttaccagttt cctcatagag ctctccatc ggcttagata cccacgtgga 300

tgaggacatg aggggggcccc acttaaacca ccaccttcca gacaagggtct ccgtctctct 360
 cacccttcca gctaaagtgt tctaaaaaca aaaacactga taatgttttt taaaaataat 420
 ttcacccaaa tgacaaaact tattgtcaag taatattttt cttttgattt tagagacaaa 480
 aaaatatatt tttt 494

<210> 30128
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400036b04d2

<400> 30128
 agcattcaaa tgcagagtat gtattcatca tgtaaataca acacaataac aagtcaccca 60
 taagcagcat ataggatttc ttgagaggta catataaagc cagaagaaaa atatataaga 120
 tacttttctt ccacagtgtc tctagtaaaa ggaccctaaa aaaataaaat atgacatcat 180
 aggggttctg aaacccact acaacatatt tgtcagaatc tagtgccac ttcaatcttt 240
 ctttttatct ttcagaggtc ctctgggtat cttgctcaat accttcgcat caaacactgc 300
 atattgcttc ttaatctcgg caattgcttt ctcacaaaa gagtcgacat gatcttcata 360
 tttctcataa agcacaggca cagtgtgaag caaaacaaaa gctatgtaga acaagggtcaa 420
 gaagttggcc caacaacca gaatagagaa aaccataat ccagcaatca ctgataagaa 480
 cttcttgaga tcccttccag aagcaatatc tcctaacacc gcanaagccc ga 532

<210> 30129
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b06d2

<400> 30129
 atcaaaagcc attttgaatt atttcggtaa agcgcttcga catgcatgca cttaattatt 60
 ttgtgcgagt aaaataccac tacctttaca acataaaagt tgtaacaag taaacaacac 120
 atacgcatga tgacgcatac ccaatatata ctaatcttat ctattccatg ttcttagtct 180

tagctgaata ataataatat taatacatca agcaaagtca cttttatcat tgatcaccac 240
catctttgct tttactttcc cacaacaaaa gtcaagggtg taaaacacgg gcaacattgc 300
aatagagcac aagaaaacca gcaactggccc aaagatccaa agcaaaagag gaagtgtga 360
gtagaagatc ctgttcccaa cagtgttcaa aaaagatcct ttctccaaaa tctcggttaa 420
gtactctggg gtcaccaatg acattgcac ttgtgggtgcg caaatgacga tgggtcaattg 480
gttgaggaac ctaattgaga g 501

<210> 30130
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036b07d2

<400> 30130

aaaacaagaa aaaactgata tttattatta cttctcaaca caagaggctt tttaaataac 60
aagttataac taatggactc aacacctaata cactgtgc aataattata aatttatgtt 120
ttcaccatcc aatgttattt ttcaagaaga ggaaaagatc caaatccaaa aaaaactacc 180
ggtcacatc ttgcagatag cctccattat attctcaaac aggtatcaaa aaacactgaa 240
ggcacatccc ttacaccatt ttggaatgtt ggggtagatc gaactaacta gaccgggtat 300
ttatatagct gaaaaacctt ttgccaagca ggtttggtac taattatccc accaagcact 360
cacatgcttc ctgtgtctga ccaaattttc tctccgggt tggttcacca caatgggacc 420
aaatggg 427

<210> 30131
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036b08d2

<400> 30131

aaacaacaaa ctaacattag aagccctaaa atcaattggc aagcctttac atccatttcc 60
tttagaaaaa caaaaaagtt ggaatgcata aattttttga aaaatagcca ttaactataa 120
cactactggg cacatatgaa aattttttat aaattaaaaa agaagcttag cctggcctcc 180

tattttgggc cccaggggtt tccaacaggt aatgaccaaa tccacccaaa agcttggcca 240
 aacttgatag gatcaatcat ttgaattttg aaaaaagacc acttgcttac tggggagaga 300
 aaacttttta gggatcaggc ggcatttgag cctgagtgtc actttttgtc ttaaaagaac 360
 caaaaagttt acagatttta ctatgtgcc gtatatggg 399

<210> 30132
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b09d2

<400> 30132

cttaattggt tccccaaatt atagtctata gagcatctgc aactaggtgt catctacaat 60
 tgaatagctt tgtacacaac aaccttaaaa tacacattct attccataca aggcaaagct 120
 tattttcccc caaagaaaat cttctactct atatataatc tataatatgc ttataaactca 180
 aatcttttac aaggattttt acaatttaac aagagaaaga aaaaaaaaaa tgggccagac 240
 aatacatgca cccccagacc cttcaaaatc gcctgggttcc aggttggttc ctaacagaag 300
 atacagccaa aacatgtcag actgacatga gtgatacaca gctaaggaga tgaactatca 360
 tcatcatctg aggaattgta ttgtctcttt ccaacaagtc ctggaagggg ttgtggaagc 420
 atagggttca ctgggacagg gaatctatgt gctgaactaa ccatggttct ctcatttatt 480
 ataccaactt ctttgacac cctatcaaga aactgtaaga agtctcttac taccatgaag 540
 attctaatg gatgagc 557

<210> 30133
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b11d2

<400> 30133

attattacta gacaaatctt acatttcaca ctgaccacca tgaggtagac actgaaacta 60
 cctcaattat tcgttttata tataagtttt cacagtacaa acacaatatt aggtattact 120
 aatagaggat gacagcttat aaacagcaca atttcttctc cgtctttcac agctctagaa 180

ctaagtaatc tgcattctgtt ttgatccagt actccctggt gacagatgaa tcttcctctg 240
 gatgcaccag gtcacttttg ttgtagcctc catcattgat tgttttcttc ttcttctggt 300
 tcttgtggtg ttttagcagat ttttgtgcag ctgttgaact ttcaggggtga actttcttgc 360
 ggaacatatg gagaatctta ttcagttttg tctcagcaga agcagaatca ataggccac 420
 catttattga agtagaattc ttagaataag catggagcat tcttttcttc agcttttctt 480
 tcatcagggt catggcagac ttgtccact 509

<210> 30134
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b12d2

<400> 30134

aaacacacac atctgcactc ctttttattg caagagcaat tcaactgtctc ggtagaaaat 60
 gaggaatcaa aagagtagaa ggaaagcccc agcaaagaaa tttcaacagt aataatgtct 120
 tgggagagat gaaggcggag tggcgtagga gttgtgccat aaaacctttt ccatgatcca 180
 taaaacaaaa aaagcagaaa atccctgctc tactcatact ttacaagtgt agcaacaaaa 240
 gcaactgtaag taggggggag gacaaatctt taccctcagt atgatttccc acaatgtatc 300
 aagcttccag cacccaagaa aagacaaaaa atagcagcac ttccaagtgt agtttgtcca 360
 atatgcctaa ttttcaatag tccaggcacc ttgtacctaa tagctttata tgttccatac 420
 acagcaccga cggcgccgcc gacagcgccg cccatagcgg cgccgggtgt gacacgagtg 480
 aggcaactat cccttgccat ggaagtcggc gtgagaggca cactgagagt ga 532

<210> 30135
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036c04d2

<400> 30135

atagacaaac caaatgctta atatcaacac aaacacgtgt acagaaaaga aaccactctt 60
 caagaaaaca gaaaataaga aaaactaaca tattggaaga ggtgccccat tccactcccc 120

aaggcattcc aaaagtggat caatgagctt cccttggcac aaagcagtga acactttgtc 180
 acactcttca cccggtgaga taaccctttc accagttagc aatgctgtcc ccaactcctc 240
 tctcaciaac ttgtacaagg ggtaagacct gcattccttg atcttgtttg gaattgcaca 300
 ttggtcattc tcatatgcaa ctcttgcacc ttccacttcc ttaggcaaaa gggcttcaa 360
 ctcttctca aatgttgcaa tcttttggaa gattgatgtg tttgtgttct tctcgttctc 420
 tccattggcc aatgcatagt ccacaagcac ttgccttagc ttttgcacaa aagggtatgt 480
 tccactgcag gggcatcaa tgtatgcaaa tgtgtactcc ctatcaaaa cctt 534

<210> 30136
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c06d2
 <400> 30136

ggccagggag cggacacaaa ttaccataa agaaactact acatacggca cctaactagc 60
 caacgttcca aaatttcgaa aattcaaaaa acataaaaca tagtaaaaag actgtttctc 120
 caatcattgt ttctaaaaac gtaacaggca attaatcag atttaatcaa cttcttccat 180
 cttgctaccc tcagcatctg catcagcgtc ctaaagagga ggcatgtcag catctgcttc 240
 accagcatct tcatcaatgc tcagtccaag cttcagcatc ctgtgaatcc tgttaccgaa 300
 agtgttggga tcatcaaggc tgaaccaga agttagaaga gcagtctcaa agagcaagag 360
 cagcagatcc ttcacagact tgtcattctt atcagcatgt gctcgtttc tcagctcctc 420
 catgatgggg ttctcaggga taatctccat cgacttcttg cttgacatgt atccagccat 480
 gctgctgtcc cttaatgcct gtgctttcat aatcctttcc at 522

<210> 30137
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c07d2
 <400> 30137

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gtaaccctgc caataaaaata aaccctcatc cctaaactcc agcaccagca gcagcttgct 120
 cacttcaata cacaactcct agaattttctc atgtcaccac gtggtaagca cgctgatgtg 180
 gagccaagtg ttgtgctcac acgtaggtat accctccata atacaaccaa agacttaacc 240
 atcatataat aataatatat taataataaa gtaaaactaaa gaaataaata aaaaaaaaaag 300
 cttttcaaca tgacatgcaa aatggtagac ctaatgatcc ccacaactag gaccattttt 360
 aaacttgttt ttctcactca cactgtccat aagtctaagc ttcagttttc tcaacaggaa 420
 cctctactgg ggcttccact gtctcagctg gtttgttctc ttctctgag ggtgctgctg 480
 gtgctgattc tgtttctggt tcagcagttt ctttaggctc ttctgcttct tctttcactt 540
 cttcagtttt ctctctctg 558

<210> 30138
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c09d2
 <400> 30138

ccaaagaaaa atggataatt ttttgggaaa ctataaagaa ttcacatgtc catattttat 60
 ggtttcatta aaaaacttat caagtttgga aaattgtttt aaaaactaaa cagaaacaac 120
 taggacatgt tttctcatct ttttgttttc tgtttattta gcctcccttc gatttcacac 180
 tatgctccat gtcttgtttc accctttacc agttgtatga gcaaaccctg tttaattata 240
 ttttgaaaac taaaaagtta agcacacca aagactttca actcaagaca acttcgttgg 300
 gcacattgcc atcctccatc cttatccaag attgaaggga aaagggtgtc tgagtgatct 360
 ttaaaattcg ggctcctcta ggccaatctc catagccacc ataaccagtg tgcctagcat 420
 agcataacca tagtttctcg gaagggcagc accaggccaa tccatggttg tgtccaacaa 480
 aaattgcctt gacagaattt ctgttacaag aagggccatc ataccggtc aactttt 537

<210> 30139
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c12d2

<400> 30139

aaacgtaaac aagttaatac aaatatgaag aaaatcaata caaggtatcc tgcggaaacc 60
atgccccagg aactcactgt ttatcctatg aaggaatddd atttcaaaac cagactttta 120
gctaccggga gtgtttcttta tacactccat ataagtgaac aaatatacga acagaaaatg 180
ttataggttt taacaaccaa actgatataa gtggaatccc gaagcaaaaa atccagtctc 240
tctgaggcca ctttccctta cacctgctgt gccctagaat catacccatt tgttccattg 300
acgccatgtg ctgacttgat ctctgagttc ctctctttca acacaacgat cca 353

<210> 30140

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036d04d2

<400> 30140

ggggggcccc caaaaaaaaaa ttttttccaa aaaaaaaggg acattaaccc aaaaaccccg 60
gggacaacaa gggaatccat gtttaccccc caaaaaaaaaa aaggcctaaa aacccccccg 120
gggttttaaaa aatacccccc cccgaagggg gggaaattat gggggaaaaa aaaaaaagcc 180
gaatctttcc cccaacccc cggggtaaaa gaccttttta aacaaaaatt gagaaaagat 240
ttcttttttc cccccccac ttataaaaaa cggcttgaaa aaggggggaa aactattgaa 300
aggcctgggc aaaaaaattd tttaaaggaaa aaaggggggg aaaaaaaaaa aaaatatctt 360
taaaaaaaaa aataataagg gggccccccc ctttaataaa ttaagaaggg gggggccaca 420
cgggggaggg ggcaaaaccc caaaa 445

<210> 30141

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036d07d2

<400> 30141

aataataata attaaatata ttcagccttd caagattaaa acacgtcacg ggtgtttgat 60
acaaaacat gagagcaacc tagttacaag ggagaaaaag gtccaaaatc ataagacaag 120

tagctgaaat taacgttttg gcatccaaat agtgccacta aagatgaaaa gcactagggtt 180
 gtgcctttgt catccttget tcaccatagg gctcatcggt atccatcttg cggttgtttc 240
 tatatgctgc ataagcaatt atgtaaaca tcacaaggat gatcataaca acaatgttga 300
 tcactgagac ctctctccaa ctcttcttga gacttgccag cacaccagcc ttgcaagaat 360
 cacaggcata gcaaagctgc tcttgggtcat tgctccacct tgtgcaatct gcgttggttc 420
 ccatcaatcc tgatctctggg atccacactg tctcattctg atacacatat ccacaatctg 480
 ttgggggctt gcagcaacca gactgaataa gcgtgaggtg ggtga 525

<210> 30142
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036d08d2
 <400> 30142

aacaaaaaga gttacgccct gacccaaatc aaatatgaat tcacccctcc ctaaaggggg 60
 gagcccaaac ctcccccat acgattttac accgggatct gggtaaaaaa aaaccataaa 120
 aatctcttga ggcatttggg gccatgcatg aaaatgggct gtaaaaaacc aaaggcagga 180
 tttgaggggg aacactgtgt ttttaaaagg ggggaggagc caacagggtg caaaaaaaga 240
 gccaaaaaat tttttccagg aggccctaata ggaagggggg agactcttgc atggtgcggg 300
 gaccttaggg gaaggggagc caatctggga ttttccccag tggatgggaa gacttaaagc 360
 tcgttttaggg ggtaacattt gatagaagcc tgcagtatgg atttttaa 408

<210> 30143
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036d10d2
 <400> 30143

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 ctagaccttc tcggaactta ggtgagtttc ttgcaactca tcatcatcct cataaactca 120
 ttcaagtcta taaagccatc cccattttta tccaccccca tcaccatttt cttaagca 180

0022E0-ETFE56

ctaaggctgc aactttcccc taggcttttg agaacttggtg acaattcctc tgcactgatt 240
ttcccatcgc cattcaaatc aaacacttga aaagcactct tgatctccgt ctctttcacc 300
ctctcctcca cggtgaacat gtccatgaac tctttgaagt caatgaagcc atctccatca 360
gagtccatca cctgaaaaga ctcatcagtc tcagtgcctt cgattcccac cccattgttc 420
tcactgctgc tttgtactct tcgagggtaa tcttg 455

<210> 30144
<211> 432
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036e05d2

<400> 30144

aacttgaaca ctcttttttt gatattgata ttaagagaca cattggttgg gcatacatat 60
aaacagagag tacatgtttt tagttgatca cgtaaaaaaa ttcataagaa catacaaata 120
acaaaatggg ggggagagga gagaaacaca cagagtaaga gacgcggaaa gttatggata 180
ttaaacatat tataagggca acgctcaaaa aactttcagc atacagcagc ggtatgaatt 240
acttacgctt tataccactt gaggggtttg accacttacc atgggatgta ggggcttata 300
tttctagcgt gcataggctg catactttta aaacctgtta tttgcacccc tctcgagatc 360
aacgatgatg gggactatac caggtctgaa atcaaagtta tgattctcaa tgtagagaat 420
gtccttatca tg 432

<210> 30145
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036e06d2

<400> 30145

aaagcaaatt actccaatgg ctgcattttt tattccatat ttacatcca caaaccatgc 60
tgtgatacat acacatacta caagcacatg ttatgttgat tgatatatca actacaccac 120
agtaacaaac cacagaagta caaaaccag agattaaaat tgatattatg ctgagaatgt 180
aaatatattg atattacaca taagattggg atatctcgga cgggattttt ggctgatact 240

tacaacttag taagtaaagg ttctttttgg atatcaaaa actgactgcg gtgaattccc 300
 ttatcagaaa atgcctctac aagcttgggg aagagcttag caagcataat tttaaattct 360
 gttgaagtcc ccttcagggtt ttcatgttca gatttatcac taccaaaagc acatccaata 420
 gaagcttctt aagagaagcc ttgcaagcaa gaagaatatg ttggggagcat tt 472

<210> 30146
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e07d2

<400> 30146

aaagcacaaa aaactccgaa aactttatat tattttacat gcgggcctag aaaaaaagg 60
 ccgctttcaa attagtcagg cggaacaaag atggggagat cccacgatct ttaaatttga 120
 catttgccct aaatatTTaa caaaaaaggg gggttgggaa atgagataag gtttgggtctc 180
 attcaaatac aggggtcccaa acctttactt ttaagaattt ggactttcct tgtactccag 240
 gaaaatgggg ttttaagggg ctaatccaac ccaggccctt ggggggggtt ccagcataac 300
 ttggtgtttt gacggggcat taacccttgg ccttctcogt ggaaccaaag gggccttgggt 360
 caagcaactg gaggagggcc caaatgggtg gaacgagggg a 401

<210> 30147
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e10d2

<400> 30147

aaaggaagct taagtttaca ttcacacaat aataagtaca caatctcatg gttatgaacc 60
 taatgtcaga gctacaagag taactgtttc ggtacacata caaggcacac aggaaattgc 120
 agtaccatct gcaatacatt tcttattcat aatttatatt ctaatcacia ttcatttatt 180
 ggcagctcca gtcattcata gcttcattca tgcattcaac aacttcagca agtccttctc 240
 aatgctcaga ggagaagttg tgggtgcata gcatcaacc acatttcctt ctttatgcaa 300
 caaggaactt ggagaagttc catttgatac catcccaaaa gaggccacct ttgcttgatt 360

ttagatactt gtacagggga gcaggtttgt caccattcac atcaaccttg ccaaaaacgg 420
gaaactcagc cttgaagcga gtacaaacaa actc 454

<210> 30148
<211> 367
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f04d2

<400> 30148

cattcaatat ataacatact ggaaagagat tgctggttaca tccattagca ggtttaacaa 60
cagaactata aaaatgtgaa caaacgcagt ttatgtgacc actttaacag ggaagcagga 120
aaggggttgg agaaaagcca aaatgctcac acaagccatg tgccttacca ttcattttca 180
gaatattaac ctaagccatg actgaggata ttgaatatac aacactatgc acaagaaata 240
tggcaagcgt aattaaacat aagctaccta atgtcctctg tgaaaaacaa tgcgagtgat 300
tgctgtacct accttattaa catccctcat ggatgattca gcacttgccc tcatagtgcc 360
tttatac 367

<210> 30149
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f05d2

<400> 30149

gaagaataaa aaacccta atatacgcca attcactgga ttgagaacaa aattcaaaca 60
caatatgccg gcatacagtt gataattata taccagctcc acaaatgat acaaacagc 120
ggtaacatta atgggacaat agagttcaac acaaaccaaa cttattttca aaggtcatta 180
cagacccatt acacatgaca tttcttctta aaatgtttgg gaaaattcaa catcgaacat 240
cacacagaaa tcagctccag cttaaaaccc ccacgaaga cgcaacacca agtgcagagt 300
tgactccttc tggatgttga agtcagcgag ggtccttcca tcctctagct gtttgccagc 360
aaaaataagc ctttgctggt ccggagggat tccttccttg tcctggatct tcgccttcac 420
attgtcaatg gtgtcggaac tctccacctc gagggtaata gtcttaccg taagggtctt 480

gacgaagatc tgcataccac cacgaagacg caacaccaag tggagagttg actccttctg 540
 gatgttgta 549

<210> 30150
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036f10d2
 <400> 30150

gtgaattggc atgtgccttg tattacattt tggctgaatg aggttttatt ttttaagctac 60
 atccaataat tatacaatct accagaaaaa aagtgggggg gaccacacca atgtaaggag 120
 gtaaaaagac atccaggaaa ataatatcaa agtaaaatcg ttgggggggg ctttttagctg 180
 actaggcaca aaaatgcttc atgaagaatg ccacacacga agcattttat tacctaggac 240
 agaaaaaacc tctacagcag caaagcagtg tgctctttct tataacattt cgaacagaac 300
 aaacacctga atggggccca agagaaacat tgggtcaatt tgaaaaatga accattacaa 360
 gcaccaaga aagaccaaca agaaaccatc ttgacggaat ggtataaaaa taaaccaatg 420
 cagagcacat gct 433

<210> 30151
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036f11d2
 <400> 30151

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 aaaaaaaggg gacatggaaa ctttaaagct gatgaaaaa gcttggaacg taaacaaaaa 120
 cttttcaaag aaaattttgt tccccttcaa accataaaaa aaaatccgga taaattggtg 180
 gggtgaaaat aaaaaataaaa ttgggacatg ccacaactg ggtaaaacta agggttttgg 240
 ggctgaaatt tttttttagt tttcacaagc aaaggtttat tcgaaagccg cagttttgtc 300
 tttgaaatgt tcaaggggtt tttcaatacc taaaacctta tgggtgggag agtctttaac 360
 ttggacactc acctggcctg aaataacttt ctctttcca acaaccaatt tgaagttgag 420

ttgggctaac tgggcttttt ggacctttt

449

<210> 30152
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f12d2

<400> 30152

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ctatttttata aactgtcaca ttaaaagtcc ccaacgattt actataacca tgaaaactga 120
aaaccaaagc catatcccta caataagggt ctatgacaga actgacaaat gaacttaaca 180
tgaaatttta aaaaagctaa cataactttt tgcatacaaa ttgaatattc tccccctaaa 240
tggcatctaa tagttctggg aatagtcaaa gctcaacggc tgttgaccaa atggagcctg 300
gaaaacacca tgtttaaatt ggtcatatga atgagcatac attattgcag cactaggcca 360
ctgtaggga gacccctcac tagatgtctg attcaatcct ggggggcca aaggacttat 420
tatcgggggt gaaggaggtg cataaccag tgaggcttga gtttgtgaca tttgacccaa 480
ctgggtaaat gtagcatt 498

<210> 30153
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g07d2

<400> 30153

gaaaggaaat acaaatatta tttaaacc aaatagagaa ttagttctat tcttgaata 60
atacatcaa atcaatttac aacggcaatg ctgagaagat tattgaggca aatgaactgc 120
atatattcta atacaatgca caagagtacg ataggatttc tacagaaacc ccgttgatgt 180
tttagaaca acgtagctat attggaaata gaatgggata acgttctaag tacaataatt 240
ttataggaca cggccaaatc atcttatgga gttgaaattg taggaattgt attgtgaatt 300
ggaaaatgta gaagaccgtg ctttatcaga tttgggtgaa gtttaggaat aggttttctg 360
aagaaagtct ctggcttaaa aaatgacttt ggcttaaggg ataggtttaa caattgaaa 420

002220"ETTE56

tggttttaggt atgggttttaa aaactggaat aggaataggt ttaacaatag gaacaggctt 480
tggtataggc ttaaaaaaag gaattggtgt tggtactggc ttaaaa 526

<210> 30154
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g10a1

<400> 30154

caataattag tttgagggat tacccttatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aacaiaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggcggccgc 120
ccactaggaa gccactctac ccggaata 149

<210> 30155
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g10d2

<400> 30155

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acaagatttt tcaattcgac ttctctctct ctctgaatat atacatattg ttctagctag 120
ctaggttatt ttacagtggg acagtgctta ttgttgtctg ggaatttgca gacaaaatca 180
aactcatgca acacaaaaac taacaccaag gaagctaaaa gtactagcac tggacccagc 240
atccataaca tcaaaggaac agcaacacaa agcaccctat taccaacaag agctaagggtg 300
aaccctcttt ctaatatagt ttgtgtgtaa cccccagaca agaactcccc atatgcattc 360
atcagaaaat tggcatcaat cagatattct atggccatgg agctgaacat gaagctcatc 420
accaaacaaa ttgatgctga tccatacttt aaaacaaaga ttttatctga ctttgaccca 480
aaaaattcac tgctaaaaag atggctagca ttgtaggtgt tattggtcaa agctgcccac 540
cc 542

<210> 30156
<211> 359
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036g12d2

<400> 30156

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 ttatgcctgt cggcaaataa attttttatg taaaaaaaaa aaacccaat taaagatcta 120
 aaaaattgac actattatat acatcttaat atcaatcatt acatatacacc ctgatcggtt 180
 tgatccaccg gagttgttgt acggcccctc ctctgagatt gccgggggtg actgccccca 240
 aattttaacc ttccggtctc cttaaacctt tgttttttgg aggggtacaat gacacactcg 300
 ggttggggta cagggtacct taaagtttca tagcaatatg aatagtccat gtaacgctg 359

<210> 30157

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h05d2

<400> 30157

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 catccacca aactcttgcc tacttttcat attatgggtg tacaaaagct gttgtcagta 120
 attctaaagt gtacatcatt ctacatcaac ttgctcattc tcttttgcag cagcagcacc 180
 attgatacca ggaactagtt cagattcacc agccctagaa gacaaccttt ggtatctgaa 240
 agttggaaga atcttatacc gcccaaatgt cagaaactga ctcaacttct catagcccca 300
 cctttgttga atatagacca caattgcaag aacgatagca gtcacaggaa tggcaatatc 360
 cccaaatttt gagtaaaaat ccaaattagg attgacaaat tcagattcct cataaaagta 420
 aggatttgaa actggagctc gaatgtagtc atatatgtga ggaagaagtc tgaccagagt 480
 gattccaata aaatatagtt ttctgagtgg ttgcaattg atatg 525

<210> 30158

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h09d2

<400> 30158

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 atatttgtag ctagactagc tagcatagag aattacagca taaaagcata aacatgggct 120
 tagcagtttc ctctccata acattataca tcatgtaaatt tatttacata cacactatac 180
 tggtgcccct accatgttta ggcattccatc cttatatatta atgggttagaa acatgtatag 240
 cagctacagt tgagaccatc gaggccaccc cacatacatt gcgacctctg cagatcttgt 300
 aatatacttc ttctccccag ctctcccccc atgaattctt tatgatccag taaggctttt 360
 ccttaaaacg aattggagca taagcaccag atccatagcc caccaaaaga accccatgat 420
 ccaaagtgtt gccgcagatg tatgggcatg agacgccacc aatatatgtt tgcataaaaa 480
 ctgcattgat accaact 497

<210> 30159

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h10d2

<400> 30159 .

ctggggggggg gggaaaaaaaa cttttcaagc ccaaaaaaaaa ggcctattta aaaattatcc 60
 ccgggggggtc ttcccccaaa aaaaaaaaaa aaacccccctt gccccaaaaa gggtccccacc 120
 cccctttttt tccccccaa aagaaaaaaaa aaaccccccc cccaactgaa aaaaactaag 180
 gggggcggtg gtttcttttt ttgaaaccc ccaaaccgg gtccaacccc aaaaaaact 240
 gtttttttaa aaaaaggaaa aatttgaaat ctctcccccc cttgacccag gtttaciaaac 300
 cacaccttaa aaggggaggg gtttattccc cacaaaaaaaa aacaaaaccc att 353

<210> 30160

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h12d2

<400> 30160

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tgcacacaca ttccccaaac aaaacatgct tattcaacc aaattgggtt catatcacag 120
 aaaccaacag gatgtcttcc tccttaccgc tcccaccac tcgaacagaa attctacgga 180
 aattaaat aaaaaaagct aaacttcttc tacctcaaat ctgaaaagtc taacaacaaa 240
 aattcaaaaa aaggaaaatt aaacaatcaa tccgattcat aaaaccgatt ttgtctttcc 300
 ctcaactttcc gttgataatc tcaattactt agtacctgta atgagcaggc ttgtatggac 360
 cctcaacagg cacactgatg taatcagcct gggccgggct aagcttgggtg agctt 415

<210> 30161
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a08d2

<400> 30161

gtcaaagatg aaatcattcc tagcctttca tataaaccat aatgttagaa acaaacaatt 60
 atggtttaac agcataatcg ttaaccattc aaggattctt tcccttttca taacattaac 120
 acacaagaaa ccacaaaaga tgcaaaaatt taaacaaaaa taaaagcag aaaaagaaa 180
 ttaaggacaa agaaaactca aaatgcagct gccatatgga tcaactccac atggttgcca 240
 ctgtgaccaa agctatccca atcgacatca acattgctcc accaaggcta accaaactca 300
 ctgccccgga tttattgtga ttttggcttg tttcttcttg atcatcgta gaagagtttt 360
 ccttggcagc tttaggagcc tttgcaagag ttgttgagc caaagctgga gccttattgg 420
 tttgaaagaa atctagagga agaagaacct tgttcacatg ataaatgcca agcttggtat 480
 ccgagtagac tact 494

<210> 30162
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a09d2

<400> 30162

acaagcagta ttttattttt tatcataaaa tgcttagttt gatcgttgga aagtaaaggc 60
 ttacctgaaa agaatagtgc agcaaagatg atttattctt gacggggaag acatacaata 120

gcgaaaatga gtagttttgt tacaattaga tgatggggtc ttgtttcttca gtttcagtag 180
 ttctcccgaa aaaggtaatt gattgagagc actcggcaaa gatgttaaga caaaacaagc 240
 atagtccggc ataggcaact gtaatccctc tggcgagtct tccaagagca gagaagagat 300
 ttaggggaaag aatgaccttc agaaacagcc tcttgtcgtg ccagtagcc gccaccctga 360
 aactgactc gggggcacca attgtattgg ccaaccatgc cagatcgcg gtcgcactct 420
 cctgagatat ttg 433

<210> 30163
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a10d2

<400> 30163

gggaaaaagc aagtaacatt aagttggtt gggataccca aaataattca ctttttttga 60
 aggacattgg aataacattt tctttacca acacaaattt taaaactttt aaaagtccca 120
 aaggcatcct tttttttcat gccacttgc cggggacca tttgggggcg taagcccaag 180
 cattgttggt gactgggtcc ccaaggggaa tcaacaaggg tcttcaatgg acccttaccg 240
 gggacaatgg gctggacca gaacccaaac tttgagaaca tggcccatct cccggttttg 300
 ggttcctttc ccttaagcca acaaaaacct ttgg 334

<210> 30164
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a11d2

<400> 30164

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 ttcatccgga aaagggaaaa ctacattgca atatgaaact ctctctcact ctacactct 120
 ctctttttgc atgatgatca attgaaatgt tgctgtcca accaaggcca aaggccagat 180
 tgatcatcaa tgccacaaaa catgttgctt aagctctctt ctttgaccat gtgatcaatc 240
 ttttggcact gaatctctgg ccttgagtg gtttggaaaa gctgagccac tcctgttggt 300

ctagcacaag atggaaagag ggttctgctg ttgctctgct gagtggatag aggactgtca 360
 atagctggtg ttcttgagat atccaacttg atctctgagc tgttctcact tctattgctg 420
 ctggatccct cagtttcttt gttgaggttg atggattcat atgttctctg ttttttagtgc 480
 caatatctca gtctgaagtt t 501

<210> 30165
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037b03d2
 <400> 30165

gcctgtctcc cttttttttg tcgattcaaa caaataaaaa cgatcatttg ggagaaatta 60
 aacccgagta atttctcatt ctgtggtgcc taaaaaaaaa tattgtcat gcaagatcaa 120
 aatttagaac atttaagatg aagactaata tttctttctt tctactagaaa ttgccgaact 180
 ctgagcccta gaaccccata catagtctga actgtctgga accgtaggcg attttcgctc 240
 ggttggcttg gacaggaact ggcgccatg tgagtcatca aagaccgca acatttttta 300
 acagtggaca cgctccggaa tttgagcttg tactcctttt gctcccgctt ggctgtggg 360
 tcaacaagat gggccaatgg gtttacga 388

<210> 30166
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037b05d2
 <400> 30166

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 caccagccaa ctaaaataaa tggaaaaata aatcgtaaca aaacaaatta cactcttatt 120
 ctctgtttta gatcaaaaaa ttccacctga ataaatcta gatactcaga taattgcttc 180
 actcaattgg cctcaacgaa caaccaaacc ttgggctgcc tgggacccat cctccgttat 240
 tttgttgccc tgaatggtac tgataacatt tacaatattt cccctccatg tctactagctt 300
 tgttctcagt gcttgccatt ggtgctgacc aaacacacgc tcagtaggat gactgacaac 360

tacaacttga ttcatTTggt ccatcttaca gtcaattaac ttagcagtta attctctaac 420
 cacccatagt tccacctcat catcgTTgat ctgaagtgtg tccctaataa gttcatatgg 480
 aatttg 486

<210> 30167
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037b07d2

<400> 30167

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 ccatacttta actaattctg ttcaatacac attcacccat gctaaaatgt taataactaa 120
 agtctaaact tatatgatgg aaatatacaa cacataatga tccatcatca tttcattatc 180
 catactggcc atgatctcaa aaccaataca caatattacc ctccaaatgc ttcaccctt 240
 gtaccaaatt ttttgatatac aatgtaacgt ctatgatggg gttttcttct tcacactcaa 300
 gaatggtttg aacatcaaca gtactccaag tccttcaaca acattcaggg caaggaagac 360
 tatatgggtg cctggcagga aaaaagaatg tatatgcttt tctgaccaag ttaatattgc 420
 accgccacta gcaggaccaa ctgttttgaa tgctgacata caagtcataa caaaaccatt 480

<210> 30168
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037b08d2

<400> 30168

atctcaactc gtaagtcatt tattatTTTT caacctttca aggtggaaca ttctacacat 60
 gaaaggcgag attacatcac atagggattt tttgacataa aacacaattt ttcacttttc 120
 aatgaacaa cctagattat ttaaatatcc gatcacaaga gcatttttct ccttttaaat 180
 tctcaagcga accgaccaag ggattctttc acggtggggg agttgacatc cgggtacaac 240
 ttataagcct caaccccgaa agatgggtca atctcaaagt tggggggggg accctctacg 300
 aacactgagt ggttgattgc taataccaca ttgattggaa gaggggcctc tttgatgtcc 360

002250-ETTES60

ttgagaacct tttcctctgg gacataaatt ttttcgaggg acttgccaac cttgttcttc 420
cacaaggcca caagt 435

<210> 30169
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037b10d2

<400> 30169

gaacaaataa aacagtttcg attacttcaa ccaaagggtct atcaaactac acgattataa 60
gcttaagaca tgtaataacc aactaaaatt caagttttgc aaaactatgt tttgttaata 120
tagagccctt acattcgggg aaacttcaaa accactatctt ttcattccaaa ttattcaaag 180
caaaggggaa gcaacatcat tgcctcagat agttgtcgtc atcattatct gtatattaac 240
ctccaccgcc agaaccgtat ttctttccga acaagatgag ctgtagctta tcataaccag 300
caagcactcc agcacctgca acagcacgta atatgtttgc accagcacct ttaaagagtg 360
acttagtacc ctcttttgcg acgattatct tgaatgcttc caaagagctc ttgtatttta 420
cagct 425

<210> 30170
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037b11d2

<400> 30170

acatgaaact agattgccag agcagtttat tgctgagaac tgtataacag aatacaagtt 60
gacataagac ggagttctta aaccaaagac attcaciaaac agtacttact ctctatttcc 120
taaggcttaa taatgcttct ccacaccctg ataagccagt tgggaagcta gctccaagtt 180
cttccaactg atttgctcca tttaagtcct cttggaacta acgtattctt ctggcaagta 240
aatctctccg ccagcttcac catgttgctc cccgctgata gttttcttgg cagcttgaaa 300
ttcagcactc atagcatcca tcccacgctg caaagcttca tcagttccat agccatgttc 360
ctcagcatat ttccttacat tcttcgttat cttcatagag cagaatttag ggccacacat 420

tgagcagaaa tgagccactc ttgcaccatc tgctggcagg gtttcgtatg gaaggacatg 480
gc 482

<210> 30171
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c01d2

<400> 30171

cttataatgc cgggttcaac tcaaggcaat tacacctttc atgccacggt catactattc 60
aaaacaattt ttacaagaca ccaatatgta tatatatagc tgaagacccc acaccctaaa 120
ctaaattact ggggtgacttg cacttcagca atttcattaa ttgatcgctg ccatatcctt 180
ctaggagacg tacttctctt cacaaaataa aatttttggtt cttccaactg aatttctaga 240
ttggacaaat ctaatgtag cttttgctta atgaaagcat ccaaatcaaa gtcacttttt 300
ccatttgcat catcatcatc ctctgtttca ctagaagaat caactctggt tttatttggt 360
cccgcaatgt tcctcaaaga atccagtggc atgttgtagc aatttggggt cagcttgagg 420
attctcttta aactgtcaat agccgggtct aaaataccta ggaatcccat aacccatgaa 480
gcattatt 488

<210> 30172
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c05d2

<400> 30172

aggggaaaaa tccgggtttc attcatgaaa ttttaacccta acccttaaga gaaaatggta 60
aaacaaattt tgggactttt tttaaacttg gaggggggtca aatttaaaaa ttttttcctt 120
tgtttagaaa gggcaaaaag ggggaaaagg ttttttttag ttttttacia aaaacttcgg 180
ggttgatccc ccattttttt tggaacaaa acccttttat tttttttact tcaaaggggg 240
gggggcccc taaggttccg gtttcaagcc atttaggggg ggggaccccc aaaaaaagat 300
ttttttttta tttgaaaaag ggggttaggg gaatacaatt tttcacctca aacccttttg 360

ggttgggttt tggaaaattt tataaaac

388

<210> 30173
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c07d2

<400> 30173

ccaagtaaaa atatatcttc tattactctc agtaaatttt ctccttgtgt ttatttttaa 60
ttttgagaca ttctaagtac atttgtttca catccctcag aaaatttcca aaccacgacg 120
gtgggttttcc tatgtctagt ctctctagta atttgaataa ttaaaaacag aactgtcacc 180
aattatagcc taagttttag atacatagga ccaaattttt ttccatgagc taatcaatgt 240
tcttgatga gcagaaaaat gtccctccttc catgattctt tcagctgtag gtcccatttc 300
ttggatgaat ttgacagatt ctgagagtcg attgagaagg ttcgtcaatg caattacctc 360
attcctttgc agctgcagtg tatgacttga gttttcttga ccatcaacag agaagagaat 420
ctttaatgca gttccgagac caagaacctg aagtttgccc cataatcgac atttttcaca 480
tcttacacaa tccattattg cactgatgtt ttctgaattg ttgttgaatt ttctgtttta 540
gctc 544

<210> 30174
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c11d2

<400> 30174

gcaaattaaa ttacacaatc acagccgtac atcacacatg agttgggcct cttccaactt 60
aaaagcagag gataacattg gcccatgacg cgacacatgc accacctaat aatcataatt 120
ttacatcttt acatacaaaa taaaagact ttaaatttta aaaagaagaa aagagataaa 180
cagatcatct taatgaaatg aaacaaaac ccacaaacat tggcttgatt tttgttgttg 240
ttgttgttcc caacttgatt aagcatgaac cgtttgattg aatcacttgg acttgaaggg 300
aatggccctg attacgaccc ggtggtagag tgctgc 336

002220"CTTTE560

<210> 30175
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400037d01d2

<400> 30175

ggacagagaa taaaatgttc atattattgc aacaactaag agattcaatc atagtaatac 60
gagttcggca acagaacatc atcaaacaaa caaagcaata aaaacatata gtgaatatca 120
cacactcaca gctgatcaca cgacgtagga acaaaagaaa tggctcctt ttcaagatca 180
tgattcacca aaatgttctg ctgttgaaca tttccgaata tagacattcc actagaagca 240
cccatggcta aacaagccac acccaaattg gagtcaccaa tcatgtagtt ctcagcagga 300
agctccaaat cccaccctt gaaatggaaa acaatctttg gaatctccac ttgtgttgac 360
cctgatggca gagagaagca aagatccaac cctgttgagc tagttttgtc caaaggaagn 420
ttggtttgag aaatgaactc ttttttgagt gcctcaaagg ccttttgttc aatgtaggtg 480
attgtggtgc cagagtctat gatcacacca ccattccatc attcccactt caaaagtgga 540
cttctcaatg gacaatc 557

<210> 30176
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037d02d2

<400> 30176

gattaaatgt catttttgat tgaaatccaa atatgataga agaaggatac tcttccgtct 60
tcacataaca actttaataa agttttgata gacacaaaat atgcaatgtg gaaccaaatt 120
aggaatttag taatggtttg tttactggg aatttttggt aggtccatac cgtcgaaccc 180
tctcatcaat ccactctctc atgtcccca acacgagatt cgcagactca tcgggctctc 240
cctgaatcaa agagtgtac attccatcgt agagcttcaa cgtcttatcc tcaactggaac 300
ccttctcata cagcagcttg gacgaggaag ggcaggtaac gccgtcagaa gttccgtgag 360
cagtgaaaaa cggcgtcgtt accttgaga aattatctg tacatactgt gtcaccctaa 420

gcagctcccc catggtcccc accctgggtg ggcccgtgta ggcgcttggg ttcgacgcta 480
 tgaccttaac ttctcgggat ccctgat 507

<210> 30177
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037d04d2

<400> 30177

agtccaaatt caaagaagta acaacaggta ttgtctcctt catcattcac attttttaaaa 60
 atttattcta aaattcaa atcataagcaga gacaaaacag aaaagaaaag gtatataatt 120
 tgaaacttaa ttttaagcatc aacaatttcc tcagtgtccg cagaagccaa aataagctgg 180
 ggttcttccc ttccaactcc acacgttcca tcaattgcat tgttcttacc caaagccttc 240
 aacgccaaat gagccgcctt ctgccttgat atcatcatcg ccccaaactg cggaaccttc 300
 ctgggggagc catcaatttc tgcaacctcc atgccagtga caatcatgcc aggcacaatc 360
 tcctagtga gcctgacaat agcgtctcca gcagcatcca tatccaaagc cttcattcca 420
 ggaacgctat caatcatccc aatactcttc aacctcttaa cccagtggtg gccaaagggt 480
 ccatcgtgcc cacaagagct taccacaacc tttggcttca ttacgttggg 530

<210> 30178
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037d06d2

<400> 30178

ggggacaaaag aaagggttacc cccctttttt ttttttcccc ccacccccaa gaaaaaagaa 60
 acccttcccc aaatttataaa aaaaaagggtg aaaaaaaata aaattaagggt ggggggtgac 120
 aaaaaaaaaa gaaagggccg ggcccaaagg ggaaaaacca aacggggggg caccaaaagg 180
 tttaaaagggt cctaaaacgg gggcccccca agggtaaccc cccttccggg ccctaaaatta 240
 tttggagggtg gatttgggtct ttttggggcg gcctaaaaaa agttgcccct accgcttttg 300
 ggaaaatctg ccaaaatgga gggggcctaa actggggccc ctttgggttt aaaaaaaccc 360

gggggaagaa acccccttg

379

<210> 30179
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037d08d2

<400> 30179

agaggaaata atagtgttat taatgaatta aacttacaga aaataccaaa tgttaaaaga 60
actagaataa aacaaataaa agttataaga gtaaataaaa aaacaaaaat aaattaacga 120
acaaaaagat taatttggct ctaaaaataa aggcatgaaa taaattacat gaataatgat 180
attccgttcc attctgaaat cttagcatct tgacgagagc gaaattccat tgtactctcc 240
tctccctcca aaaatttagt attagacaac tatgcaatac acccgcaaag cttaaacaaa 300
gtaaatttca atgtaaagaa tttcatttag atgacagtat ctaaaactaa tctaactagg 360
aggacgttta tttaacctac aacatgaaac tattaccaa tctattatgt atctaataga 420
aaccggatgt cataatgagg taatcgacac gggatgaaca gaatacccaa tgataatgac 480
ctaaaatttc tcccattttt tt 502

<210> 30180
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037d12d2

<400> 30180

caaaaaatcc ctttgtatta atggttactg ataaattaat gtataccgaa taaatgtaca 60
aatgtgaatg actaaaaaaa tagggcaata aactaattct ggttctaaaa aaattaattt 120
tatcctgaat aaagggtcga agaacaatta ttaaattatt tcaaggaatt aaattaaaac 180
aataattatt ttgatcaact aaatctacca tatgaaaatt tcattcttta cttgtaaaga 240
gccgaaatta tcttcacctt aataattgga gatgtagaaa aataatcaga atcttcctaa 300
atccacgtta tttcttcgaa aatgctttgc ccaacacaat gatattggca caccagaagc 360
tttgcggggt cttccatttg attttccatt tatcgcttgg agatttacia tgttaatgac 420

ctattttctgc attacaaacg ttgttgcccg aaattggact

460

<210> 30181
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e01d2

<400> 30181

ataaatctat caatactaata tccaacatta caaaatgaga atcttcaaag caaaaacaga 60
agttgcaaag taagcaaata taatagtaat aattaaatac attcagccct tcaagattaa 120
aaccaaatcc ttgttacaac taggatagtt tgatacaaag ccctgagatg agagcaacct 180
tttttcaagg ggaaaagggg ggcaaaa 207

<210> 30182
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e02d2

<400> 30182

gatacggttaa tccagctagc aaggttattc catagaaata ttactgcat aagtcacaac 60
acacaaattg aatgttaaca tctttaaaac tgaacatatt tcaatcaaata tcgactgaaa 120
aaatctttct ttcataattac agaagatctt gtcagcataa gattaattat ttt 173

<210> 30183
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e04d2

<400> 30183

tcgcatctta gaacctagct cactgcccc aacgaaacaa accccaaacc ctaaacagtt 60
tcagcaaaat tcaccaatgg ctttctcaa agcattgttc ctgcccgtcg taatgtcggg 120
gttcgtcgcc gtcattctcg ccgctgaagc tccggctccg agccctacct ctcccgtgc 180
cgccgtgtcg ccgtcattcg tcgccggtgt tctcgccgcc ggagccgctc tcgcttcgg 240

002200 ETTESO

atctacactc cggatctgag cgtagctcat ggatttttatt tgtggatttt tagtagaagc 300
cgagatttga gtagcattag tatataattc tctctattga tattgctatg tagcgattat 360
tgctagatat gttgatttct ggatctatat tgcttttatg gtttgactag tattcttatt 420
gtcgttatca ttggttctag gacataat 448

<210> 30184
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e05d2

<400> 30184

acgggataaa taatccagct tttatttcag agtaggtagg gatttacagg caatgatgga 60
aaaaaaaggg ggagagttgg aaagcatcct tgctaatggc aaatcttggg ggagactaaa 120
attttacaat tattggccca cttgggaacg cctttggtct aagcagttac tattaaaaca 180
ttcaacagtg caggagatgg atgcggttta atccaacttt tgattggagt tcactacagc 240
tgctgatgat gtaagcattt gcttgaaaat gttcacagga gactccactt ggccataaac 300
atgtgcgcat attggcgaaa cttcatttaa tcgactctga cccattttta ttattaagat 360
ttaagggtac at 372

<210> 30185
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e06d2

<400> 30185

aaaaacggga agccaagact ggttcccagg gcatatatag catatgagat aatccttatg 60
gtcatgaaac aggaaattcc cctgaaaacg aggtttcttg agttttacac aaaggcttcc 120
ctattaaaac ctatctatag ctctatgctg cattggctcc aagataaatt aactccactt 180
atgccttatg gaggatgggtt atatggctgg ggatcccttt accaacacca cgatcacagc 240
tcttgatct ttattttacat gaaaagggat ataaagggtgc tgagaatact cccggcatgg 300
aaggcaggtc tgctaatgtc ccaagggtca tagggctttc agcttgatgc tgaaatgcat 360

attgactgag cgaagacgtc aatggggacg cagtccaagg tttat

405

<210> 30186
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e11d2

<400> 30186

gataaagagt gaaacgtgaa tctttttcaa actttgccgg agattaccta caattgcgct 60
aatatgacta tggcatgttg atgacaactt tgacacaatt gggttgtttt agtagctcaa 120
atgctttgtt tatgcctgct aatggggacct catggggcga gagttcttga tgaggggaatt 180
cctttttgtg gcctttgtca gctaaaatgg aaaggctcga aatggccctg agtcctccaa 240
aaacagaacc ttttaaagtt ctaccaagca gaatggcaaa aagaccaat ggcaaagtaa 300
tttcaattcc tacacctatt actattgctt tatctgttcc aacttttgtg gcttccaagg 360
attcatagag tatagtggaa actccagtat actcaaaaga atagtcggta cccattccac 420
cacttagttt cttgaccaat tctgtagcag atttattaga attacccggg ttt 473

<210> 30187
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037f02d2

<400> 30187

gggaagagga gatttctttt aactaaaaaa aaacaggccc cattaaaaaa ggtttccagt 60
tgggcctagg gggacacatt ttcttttccg gccattaaga ccctggacct ttcatttatt 120
tttttaagga acccattgtt tttttgtcca cacaaaactt ttggtgcgga ctgattaccc 180
tttttggttt ttatttcaca taacggagaa aggttcttcc gggctgttta acccttattt 240
aagttaaatt ctgaggggtgg ggcaacgccg aaacttgttt gggggggg 287

<210> 30188
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037f03d2

<400> 30188

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcaccaaa cacaatctta aaaactctta aaagtccaca 120
 agtcatcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt atgccaggc 180
 attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacad agagaacatg gccaatctcc cgttcttgag 300
 ttccttcacc ttaagctcag taaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgcccacca gggtagattg ggtagtgac ctccaggagg ggcccaccag caatacgatt 420
 acccctt 427

<210> 30189

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f05d2

<400> 30189

cttaagagta aagatatatt catcattaat taaattatag taccatcca acggctacat 60
 acaacttcat ctccctttac ttgtagtac gaagcatcat tattaggtat ccagattacg 120
 acagatgcac cactaatta aaatctcaaa atgccaaatc aaaacacatt cagatacact 180
 gaaatgacaa tgaagcataa caagaagttg gaaagaggga gcttttattt gcaaatgat 240
 ggcgttccat gccataaaaa tctacatcca cacaatttat aatgaacaag aatggaatac 300
 ttctttcttt aaaccatgat aacacagatt gtccggagag attatggcct tctacatggt 360
 ggcaatggac acgggctctc ggaggatcct ctccatctgt tgtgccctgg gcttaattga 420
 catgtcaaag accttgtggc tgaattcaag cacaagccca ccaagtatgc ttggatcaat 480
 cttctgttc 489

<210> 30190

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f06d2

<400> 30190

aattcaaaat cttcattgca taaataaccg aataagtaaa ttgtcagaca gaacaaacaa 60
 cttttgggag aggggaactt ttattaactc caatgacagc cttatctgca aaaacttgag 120
 cacatataat ttatatattaa gaaggaatgt ttgatctagt cgggtgcccc ttacctcgg 180
 aaccacgacc gttgccaggc cttccgcctg gaccaccccc aaaagaaggc ctgtgggtcag 240
 gaggagcttc acccttgatc ccgaaatcac cgacagggtc gcgtggacct ccacggtttt 300
 catcaagggg accggcgaat cttctctctt tgtgaaagcg aggtgggccc ctgtggcgat 360
 caccgggtgg gccaccgaat ggtctttctg cggacttggc ccgcttctcg agagtggtag 420
 ggacaacttt tgatggaagg t 441

<210> 30191

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f07d2

<400> 30191

ggaaacggga aaataggcat ctcattgatta aaatgaagaa caagtagctg cacgttttgg 60
 ggaataatgc tttctcacat tccaaaaact gtttgatcaa gttcccttta cttttggtct 120
 catcattccc ttgaattcat caaatttggg tggctgatag aagaaatgag aattcatcaa 180
 tggtcataat catcaaaatc ggaatctatc tactgagaca atttcatcag ttatcattgg 240
 actacgggca gatccatc gaattgatcg ttggaagacc aaagatgacc aacttaatgt 300
 gccactgcat attgtgcaa tggtttactg ctttaggaaa ttcgtcggaa tacacaccct 360
 gggtaacatg atggaaccac atactaggtg tatagagaac cttggcagcc ttttcagtac 420
 attgaaa 427

<210> 30192

<211> 428

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f09d2

002220"CTT560

<400> 30192

ataaagtaaa tatcatttat tcaaacctaa agaaacacag ggacacacca tctcaaactc 60
atgttaccct gccataaac catcaccctt aaacttcagc accagcagct tgttcacttc 120
aatacacaac taccagaatg tgtcatgtga ccacgtggca tgcacgctga tgtggagcca 180
agtgttgtgc ttacacgtag gtgtaccctc cataatacaa ccaaagactt aagcatcata 240
ttataatatt tgtacagtta actagagaaa ttatacgaaa agaaaaaatg aggcttttca 300
acatggcttg caaaatggta gacctgatcc ccacaactag gaccatattt aaacttgttt 360
ttctcactca cactcgggca tgggctaagc ttcaggtctt tgaacaggaa cctttactgg 420
ggtttcaa 428

<210> 30193

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f10d2

<400> 30193

agcatctaata ccagacaagt aaactagaat ttaggaattc aggtccaaat ctacacatta 60
aatgtcacca agatggccta acagagaact aggaactaca agtaaaatac aagcacctac 120
catcatacat aaagagtgca accacctaaa cgagaacttg cagggtttata aaatatcgca 180
atgcatgttg tgggctttct ttcacatacc cttcacattg taagggtcaa cagtgggctt 240
tccaaccctc ttctaaacca aaattacatg aaaataaaat ctagaactcc attttcacga 300
gcgcattgga agcttcggct gctccatact gcatccagtc tttcgccat acaagggcct 360
ccactgtctc tggccgcaag gaacttttat attgatccat ctttttgact cttgtatcaa 420
agacagattc aggaggaaga c 441

<210> 30194

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f12d2

<400> 30194

attaaggatg aaaagagcag taatggaatt gaactcatca gttcaagaac ttttcgtgta 60
 caatgtaagg taaagtcttg atacgtacat attttctgat ggttccatct ttaaaaataa 120
 actgtgcctc aacgtatcaa accataaagt caataagcca tatccataca acaagcatag 180
 ttacgaattt ctgtgaacat tattttcttt ctctcttctt tggtcgaaag gattatgttt 240
 attgttgtag tatatagacg cagccattac agatcagtgt ttgatttttg gcttcttcac 300
 gatcatcaca gtgcagtgag catgatgagc acaatagtca ctgacactac ctaaaaccgc 360
 cctttttata gcccataac catgactacc cacaaccaac attgcagcac ggtacttacc 420
 tacagcatca caaagaacat ttctaggatc accttccacc acttttgctg tcacatcatt 480
 tacggatttg ttgatgcaaa gttgttttagc g 511

<210> 30195
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037g02d2

<400> 30195

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 atgttagctt cagacctgat aaacaaatca gactagaaca catcctaatt tcatatacaa 180
 tcattatttt catggttcgt tgaagacctt ctctcagac tcatcacatt tttctcaagt 240
 tatttaacct agcctgtaga tcatcatata ttccactgtc ttcatttgcg gttgattcag 300
 cttgagcaac cctgttcttt gctgctggtg cgctgacaga ggttgtggca ggtgcattca 360
 caagctcaga gttgttgtca attccaatct cttcaagaaa ctgtttcaca agctcttctg 420
 tgctttcctt ctc 433

<210> 30196
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037g03d2

<400> 30196

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 tcaaagggtca ttacagaccc attacacatc acattttcttt ttaaaatggt tgggaaaatc 120
 caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
 ccaagtgcag agttgtctcc ttctggatgt tgtagtcagc gagggtcctt ccacctctta 240
 gctgtttgcc agcaaaaatt agcctctgct ggtccgggtgg gattccttcc ttgtcctgga 300
 tcttcgcctt cacattgtca atgggtgctgg agctctccac cttgaggggt atagttctta 360
 cccatatggg tcttgactaa gatctgcatt ccaccacgat gacgcatcac caagtggaga 420
 ggtgactcct tctggatggt gttttcagca agggttcttt ccgcccttca actgcttgcc 480
 cgagaaaatc agccttttgt tgttctgggg ggatac 516

<210> 30197
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037g04d2
 <400> 30197

aacctaacaa attaaagtgg tacattcttt cattgtcgaa aaaaaaaaca agcacagttc 60
 gttaaactaa acaacttcct gatagaaaca aagcgtatat cataaaataa ggtaagacat 120
 caattcatgt tgacacgaaa ttgacaaaaa atacggctta ctcaacttca aaaagtatcc 180
 aaaattttgg acctagaaaa taaacagcac atgtaaataa aatgattgac tgaacgcaaa 240
 ataagagagt tttagttgtg caacgatgac atggaatctg caatgaactt tcaactcatca 300
 tcttcatcat tatcagcagc agagttgata gccgccacac gagcaatcaa cttagccttc 360
 ctctcctcat aagtgagttt cttcagattg tacctcttgt gttccttcgg gggctgcttc 420
 tcagatttct tgagagaagg atcagcacgg atggcagcat gaaccttttt gtacagtgcc 480
 tcaataccat cagcttttat tccacgcttg atgtattcac tgaagtgtga ctga 534

<210> 30198
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037g10d2

<400> 30198

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 ctaaaactag cgaataagg ccaagtacta tatatgtaca agaacaaatt aatctcaa 120
 tactttaaaa aagaaagaag aaaaaaacac tgaatatttt ttggatctat ggatcattag 180
 tattgagggga tttcaatctt gggatatggta aaattgagac gggatttttt ggatggatga 240
 ggactggtaa ccttggttatt aacaaagaac cttggtgaaa agtcgggaaa agccgggagg 300
 ttcagatcga aatcgggcg gcttcctgtg tgagtggacc ccactttc 348

<210> 30199

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037h03d2

<400> 30199

ctacacaacg gggttaccat taaattgaaa caaagcgtgg gcttacaac acggaattgt 60
 gccctgtcgt attaattaga agttccaagg gtgcttatgg ttccactgcc tttccccaag 120
 taaaagtaaa atgtctttgt tacagcatct attttgcagg aaactataat gtaaagaggt 180
 ttccccagcg tcccatttgt atttacaggg ttggtattag aaatcatgag cagagagtac 240
 agcccataac actcgtaag aataatgttt caacgactat tctcggtctt ctatggagcg 300
 cattctagga attatgcact gaaaccctg tgcattagaa cttctggatc tagcagggat 360
 attgtcacat gcttgtgc 378

<210> 30200

<211> 549

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037h04d2

<400> 30200

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 ggtcaacaaa taaggatttt tagcgagcta aagacaataa tatactttgg caattaagct 120
 ctctctacct tggggtaaaa cctgatcaaa taaaagtaac atcaaagaca aaaacagcaa 180

cagaaaacta aactataaga atagcatgat aatcatcata tataagagga ggatgggggc 240
 attctctctg aaagaccaac aacaaattca acatccctaa aggaagctcc agattgtgct 300
 ttttcctttt aagccactgc aggcatgtcc ttgagccatg aatctagagg ttgccaatg 360
 gagtaaacia tgaaaccaat ttccctcagc ttgttaacat tcacgacgtt gcggccatcg 420
 aaaatgaatg caggcttttg catgctgtca taaacctttt ggtaatcaag gtttcttata 480
 ctcatccac tcagtcataa tgcagatgcc atgtgcattc ttgattgcct ataggcatcc 540
 cagactaca 549

<210> 30201
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h05d2

<400> 30201

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 ataccatgag atcattcttg aaatacaatg gaagaccaat ctaaggtagag aaaagaaagg 120
 ggaaaaaaag agcctatatg aaattacttg tatgataaga tagaaagaaa gcacggcaaa 180
 aaaaaaacag agcagaaaagc atccaagctt tcagctatta gcattttctc tatttgaacc 240
 ttggttggtta gtgtctgcaa gagaaggccc tgaccctaaa agcaaaggga tctctttctt 300
 ttcatgtttt gagtctttct tggaagatgg attcgagtc gaagatctaa gaggaggctc 360
 aaaaaatttg ctagcaacat ctggaggggg tgcattctca cctggaagca caagaagacc 420
 tttctctcga agagaaaatg gctcgttgaa gcatgtgctc cacagggagt tcacaagttg 480
 cctctccttc ctgactacac ccaggtcctc agctgacatt aaactgatat tggttattcg 540
 ttcttg 546

<210> 30202
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h06d2

<400> 30202

ccaacagga aaggagtcca ctcatatttg aaataatcac tcaaaataca ataatgccct 60
 cgtataacat atcaatgggg cgtgcggaaa acacaggccc cgtgatttgt cccgagagca 120
 tgatgaagga gtcaaacca accccaaatt aaatagatat ttagtcctag gcagaactga 180
 acttatgaga ctacaagcca atttcttata taatgggtcca agggctgcaa aacaagatat 240
 ttttttcagc cctagccctg aacctccacc agacttactc ctctttttca gcctcctcca 300
 gccaat AAC aaagggttcg agcgccttca caaagggttg cctgcccttg gagtttggtc 360
 cttttcggaa ccaatgaaaa a 381

<210> 30203
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037h08d2
 <400> 30203

ggcttctca tcaatggagg cttgttctgg agttttcttg atgtcagccg cttcgtttaa 60
 tactgttca atcacgtcag tgatgttga ttctttcttg tcatcaacct cttcaacaac 120
 cttttctgct gcttcaggag aaggttccac aatacttctg tgaggttcct catttgatga 180
 aaattgtgca gcatttacag tcaaactagt ttctcttct gtgaccgtgt cagctgaagt 240
 ttcttctcct ttggaagtct caagcacaac ttctggagaa gtttccccag gattttggtg 300
 aggttcacac ttgataaaa cttgtctcagc attttcagtg aggctagttt cctcgtcttt 360
 atcagttttc tcttctgtga ccgcgccagc cgaagtttct tcaactcttg cagtctcaag 420
 cacaatttct tgcttagtct ccacttctct accagcttct gctactttct catctacttg 480
 taagtgtct cttggcttt 499

<210> 30204
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037h09d2
 <400> 30204

aaaagaactg tgcacagga ggcaagtttt atacaataaa ttgataaat gtatcaaatt 60

ttacaggatg tttgacacaa gatggtggct cgттаaccct cagaaacatc aattggggag 120
 cataataatt agacaatcaa gacatgaata atgaattatc aacatatctc gtttgaagct 180
 cctgaatgaa ctatgcttaa ccaatgaaca aatgcaacct tgacagtaac ttatctacgt 240
 ttggcatccc cctttgattg aggaggagga accgттccaa aaactttatc ccacagtggт 300
 gatgtgatcc caaagccata gttctggagc cgataatgat gattcaagtг atatttcttg 360
 agactttttgг gcacatcaga ctttggttga cca 393

<210> 30205
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h10d2

<400> 30205
 aaaaaaactg ttcgcagggc ggcaactttt atacaattac tttgataacc gtttaaaact 60
 ttacacgatg taagacacaa catggtggat ctttcacct caaaaacatc atttggggcg 120
 cctcttactt agaccgtcta aacatgcatt gtgaattatc tgcacttttt ggttgccgct 180
 cccgaaggac ctctgcttca ccaatgggca aattcaaact tgactgttac ttttgtacat 240
 gaggggtccc cctctgatct gacgaagagg atcggttcca agaacttaat cgctcgggcg 300
 tgctgtgctc ccacccccag agttctggag cctgttaaac agattcaagt catggttctt 360
 gccgctttt 369

<210> 30206
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h11d2

<400> 30206
 aaagcttata ttttgaactt caaaataagt tttaagggтg aacataatat tgggcgaaac 60
 atagccttat tcttgaatga atcgatctaa tggctacata ttaaagttca cataaattta 120
 gaacgattca aaaagttgta ccaacaccaa cagagtttca caatatgtct agctaccatg 180
 acacatatcc aagcttagaa aaactaacac aagacacaca ccaccaccac ttaaacgaga 240

tcttcctcct tgtgggtgtg aatcacacaa tctgatttcg ggtttgaaac aacatgtaaa 300
agggtaacct ttttggatt 319

<210> 30207
<211> 305
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040a10a1

<400> 30207

cgtatgctgc tagaggagct tcacggaact aacaaagcaa ccctatgtct aagggtgggtg 60
gagtgaccag agcgatgaaa gccattttat cttgtgtggt gctaggtgct actccatcag 120
agattactgt cgtctcagga catagttgaa gatatctatg gagagaatga gacgaaacat 180
ttggaggggaa tggcaggagc gtagactcaa tttcattcat ttgaaacacg agaatgggac 240
ttcaagtaga ttgaccatag tataaagggt tgtagcatgc taataaactt tgacagatcg 300
aacag 305

<210> 30208
<211> 57
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040b06a1

<400> 30208

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 57

<210> 30209
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040c10d1

<400> 30209

aatcaagcaa cacactttgt agccatgaca tgtagcactt tcttatcata gttcagacaa 60
caacaacaca attttatata attaactagt ttccgagcac actttccacc agtaacttta 120
gaaaaaacac aatagactga atggataact tacacaaaaa taaaacgcat acaaaaaaga 180

agtggatgct attgctaacc actttatgca actggaggtc gaagaagggtg atcctttgat 240
 gtatcaactg cagcagggga cataaactgc cacatggcaa ttccagggta tccaatgaaa 300
 ggtatcagct tgtggctacc aacttgctct ttagcatctg gggcttgagg caggaagctg 360
 ggttgatat ttgccacttt tacttgctgc tccaactttt cttttttttc cttcaacctt 420
 ttctttctcat cacgaagctc attctttctca cccttcaatt ctttaacttt tgccctgagt 480
 tcatcattca t 491

<210> 30210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040c11d1

<400> 30210

aattaactct catatactat taattccaga tagtcaataa tagtatagcc ggatattatt 60
 attattatgt atatacgtag tagctatagg tatattattc atagcttaga ctcattcaatc 120
 tctggtgaat taatttattt ccgcaccag agagtaacgc taaagcgcaa gaatcccagt 180
 tgaaaatatc tgttcccttg catatggcga gcttgacatt tccacagacc ttgaagcttc 240
 tgacctacac cgttcccttc gttcgtccat cattatttga ctggaacgac actctgggct 300
 aaaaaacgct ttctctcttc tgtacatgta tatgtctttg ccgtggagtt tctttccgca 360
 taagtgcacat gaactgagaa aattcgatgt ggggtacaat gattcggcct caacaatcaa 420
 ag 422

<210> 30211
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040d11d1

<400> 30211

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 agaaaagaaa agtacaacaa caaatatttt gaagaaaaaa aaataaaagg aaaatatcga 120
 ttgcttttaa atgcattagc aggtgccact caatgatgac caatcatcac tagggtgcag 180

aagaagcaac ggtggtcttg gtccacgatt gtgtgattat cagaaaatca gaatcacttg 240
 atccgacggc atatagtgat tccatcacca accgggagca tgcaaatctc gatcctgggg 300
 tccacagcga gtgccttggt gagctcgagc acgaagtccc tgtggtatct aacgtacttc 360
 ctgagaggag catctggggg tgccaccaca gagccggtcc atagggtggt gtggtacccg 420
 ataattccc 429

<210> 30212
 <211> 386
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040e05a1

<400> 30212

gctcgagctg ctggagaatt ctaaagaaac tactccatga aaatgtgac aagctgaagg 60
 aaatggggac tgatgcacgt actgatagag atgaacacgg gaagccagat ggggcaaagt 120
 atatggatca cgttcatcag gaataagcgt acatggacca cgattcaaca ggtgtagctg 180
 acacacctgg aatgagatgt acagttatac agattaagtg ctacatgaca cagataggag 240
 ctgagttctg cttatgaaca tgctgatcag ggctttaatg cagatatcta cacgctgaaa 300
 ctgtggttat ttacaatgtc tgatgctcac aagctagcta ttttggaact cggatgccca 360
 tgatctgatg accaacacgc acattt 386

<210> 30213
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040f11d1

<400> 30213

atatatatat atatatatat ataatcgggc aatttttcat tttggaagtc caaatttaca 60
 gaaaaataaa aaacataaaa gcatttcaat aagaatatat taactatgct ccctgcttta 120
 tttctttttc tgcactcttt tcttaataga tttttctctt ttctcttatt cacaccaatg 180
 aacaatgaga atttttctcc ctttgacta ggcaatctat aaacaacttg ggtgttgtcc 240
 aattattcct tggcagggct gtttctttgc cctgatgatg ccattagcac agcaacagcc 300

actataaaca taaacaacat actccctagc agtatatatg ttcttcttga tgatttcctg 360
 tactctccaa acagaatcac gccccaaaaa gtgcttcaaa gtggaagtgc ctggactgca 420
 tttgctgctg catatcccg c tgcttgacca cccataaatt gaagaccatt cccaaaccc 479

<210> 30214
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400040h10d1
 <400> 30214

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 actcgcagta ttcaactgca tgcaatagat caaaaccg cgc cacagtccac atattttttac 120
 gtaggcaggg ttcaatctaa gacttactgt agaacttgag cacatggaat agttataaca 180
 attactaaat tccaagagtc caagcaaata gagactttac gtgttaagca cttccaacca 240
 tatataacag taacctaaac ataaatatct ttagtttctt tcatcccaaa ctttacattc 300
 caccaaggaa ccaaacaagt gtgtcaacac aatgtactcg aacaagggtta accaaccata 360
 atgcttgatt aagttaaaat caaatgtgac aggtcacacc aaagcagatc ttcaatcaca 420
 ccactccaga gggaagacgt ataacaagct gttccccgaa gacacttttg acataatagt 480
 aacagaaatc tgctaagatg aaagtctgga caatt 515

<210> 30215
 <211> 68
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400041e07a1
 <400> 30215

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaag 68

<210> 30216
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043a05d1

<400> 30216

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acacaatgaa aagtcacgaa ttctcattca gaacaaataa agaaaatggt gaatacatag   60
agaacactga tccgcaacta tcacaagtcg aacaaacatc acactaaaag aaaatattac  120
gagaccaccc aacattttct tacacaatca cattcacaac atcaacactc aacacctctg  180
gttcctatga cgtattctga acaattaata aaatatctaa aagtatctct acaagactac  240
atctaacacg taaaaacaag ttgaaattca gataattaca tcaaacaggt gctgttctcg  300
aacattgaga caatgcatct tcaacccgat catcatctat cttctcagac ctcaagcttg  360
gtggaatgta agctctgaaa atcaattcca tattgggaac ttccttaagt gtattagctg  420
caacctcaag tgctggatgt tgaaaggcgg ggtaaaattt ttttgccaga ccaaaccaaa  480
gatcaatgac aatatgggaa gaggaagc                                     508
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<210> 30217

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a07d1

<400> 30217

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aagggattat ttgctaaatt ggtgattcct gggaaattaa attaagaaac aagaaattga  120
ccttttgcac attttatctt gaattggggg aaagaaaact cctatattaa tggctgaaaa  180
tagatactag atatgggaat atccacgtgt tggaaaaagg actaaagagc gtagaatttt  240
ccaagattga cctttgcttg tagtatggaa tgggatcttt gaaagcataa cgtcacactg  300
gatattggtt ggccacgaat ttcatttagt gcccacttg aaagggtggt ttatagaaat  360
ttagctatag cgacttcact gggtacaaag gcagctaaaa act                                     403
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<210> 30218

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a08d1

0953113.032200

<400> 30218

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taaaacaatg ctggaataat tgacctctta agactgctga tggacagaac aaaatgacca 120
gtggacgtgt tcaataaggc agcattcagg ctttccgacc aaaactatta gatcttggga 180
gagcagccag catatttgag ctcagttaca taataaacta cttgacatgt gatcaaatat 240
ttcttaattg aaagtccatt tgatgaaact ttgaaaaaga tactgctaaa gtctgaaaag 300
gatcactatc tactaagatc tcctcaatgg gttgcccttt gggaacaaat cgatctttga 360
gccacatgaa aattggaacc aa 382

<210> 30219

<211> 426

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a10d1

<400> 30219

ataaaaaaac cctttaaaat ttataaattg tttggaggga aggaacaaca aaactattac 60
tactgtatgt tataagaacc gtggtatggt acctataaca accaattgga attgacattt 120
ataactggta agggcacgat ccaacggggc cgggcccaca ctgttatact attaccacta 180
ttctccctaa cataatgggg aaaaggaaaa agagggggacc ctaagcaacc ccagggtcgt 240
gggggtcggt gggcgccggc acaaagacaa tacaccatgg gcccgcgtac ttgtttaaca 300
tagttttccg gatcccgaac catctgatgg ctcaggcggg catatagatt tggagtctta 360
ttcttacttg tgggtgggaga gggcaattcc ttacgcacc cgggggaaca caacaggttt 420
ttcccc 426

<210> 30220

<211> 521

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400043a11d1

<400> 30220

catgggtaac atcggaacca accctgatgg gaaaaatgga attaaacttt tactataaaa 60
 gtaacagtaa ctttttctgt cttaaaaaaa tggaacataa cgtagatttt tccatccctt 120
 aacaacgctg tttctctca tttctctccc aaacaattca ttaacacaca agataggata 180
 tgactatgat ctataaataa ttgggaattc actcctgggtg tgaagaaaat gaatcagctc 240
 gcctaattggg catctgattt ttccatgcag ttcaccagaa gtttcagcac tttctctcta 300
 atgaatctct attattttct attccttcgn atctgggtca gaggacacag gtagtgaact 360
 ataatcttgt gttttgggga gggaaaagct acgacgctct tttccccctg gcttagaaga 420
 agcattgcc aaccaaacca ttctgctat tgcgatgatc atgcctagaa caacatgtag 480
 attgagacc tctttttcaa agaaaatgaa tcctaagatc a 521

<210> 30221
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043a12d1
 <400> 30221

cgggaaaaaa tgggggggga ttttttttca aaacaaaaa aatttttttg ggtttgaacg 60
 ggccaacccc tttttttatg tggaaaaacc ctggaccgta aaaaaaacac tttttggctt 120
 ttacaaaaat aaaccgccaa aaaaaggggt aaaggggggg ccactctgaa taaaaaatg 180
 ggtgggggga atttcgaggt ttcacaccg gggaggggga ggaataaatc tttttttggg 240
 ggccctaaaa ataaaaa 257

<210> 30222
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043b04d1
 <400> 30222

aaagtaaata tcagttattc aaacctaaag aaacacgcta acacatcatg acaaactcat 60
 gtaaccctgc caataaaata aacccttata cctaaactcc agcaccagca gcagcttgct 120
 cacttcagta cacaactcct agaattttctc atgtgaccac gtggaaagca cgctgatgtg 180

gagccaagtg ttgcgctcac acgtaggtat accctccata atacaaccaa agacttgacc 240
 atcatatggt aataatatat tcattataaa gttaactgaa gaaataaatt aataaaaaag 300
 cttttgaaca tcacatgcaa aggggtagac ctaatgatcc ccacaactag gaccattttt 360
 aaacttgttt ttttcaactca cactgtccat aagcttaagc ttcagttttg tgaacaggaa 420
 cctctgctgg ggcttccact gactcagctg gttagctctc ttcctct 467

<210> 30223
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043b05d1

<400> 30223

gaattaaaaa ttctgatcgc atattaaatt cccaagtcgt attcaaatcc ttatcaataa 60
 aaccatgaag ccaaattaaa atatttctag tacacacca aaaattcttc aaaagaaact 120
 tccgggaatc tagcacgacc aaaatcataa attaataaaa ttctaaccga tcgataatta 180
 aatttgatgg gaattatgat gtagcagtag cacacgtctc accattaaaa tcaaaatacc 240
 aggtcaaagt ttcaagtaac ttaggacaga acgtaaaaaa aaactagata aaatgagtag 300
 atagctcggg acattaagtc acttagcact tgaccttctt taaggcatat gcaaagtaca 360
 ggaatgttgg atcagcagcg cagtccttgt agtaggcaaa gaccaagcaa gcatcatcac 420
 ccatgctctc accaacaaaa aattggaaat ctttaattctt agagagc 467

<210> 30224
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043b06d1

<400> 30224

ccacaaaagc attattatgt tgataactgg gcaggaccac gttcataaca agaacaaacc 60
 taggtctttt gcgtaatata tttgtatagt cattcttaat acttacagaa caattaaaga 120
 gggagtgga gcatcttggg tttgcagaat aatcagtgga gcatcagcac taggcatttt 180
 gcagaattag tataagcaaa aaactaagat gcaaattaca ttttgcac agacatcaat 240

gaatcaaaac ttagtgagac acttaagaag tgtgaactat tgtatacaca caatatgccg 300
 ataaattcct tgaccaatga tttttaatca ttagcgctaa ctgattaatg aaatagcaaa 360
 actaccataa ccattcattt ctagcgctaa ctgctttcac attagttgat acaagtggaa 420
 gagttccgta aagtgatatc aagtcattga gacatttgct tctcctgtgg ctatgccctc 480
 tcagactgct aatagctgat gcgccaatc 509

<210> 30225
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043b07d1
 <400> 30225

aaatataacc aattatcgct aatataacca aatgaaaata tgaattgagc atcattacaa 60
 aatagattac aaagccaata ttggttggct cggcccagaa agactaaaaa agtcatcaat 120
 tgaaactcta taaatgaaga gtaatgcaa aataaaatag aagaggtgat agcaccaacc 180
 aggcaagttg caatagacat tctacatac atcctgccac atcaaaagag accaaacaat 240
 atgatagaaa ggagaaagaa acgagatttc ataataatca ctgaatgagc aactgaaaca 300
 tgtagctaaa actgcatcaa agctcaaacg tttcattgac aaacctaagg tgaaatcctt 360
 gaggttcac atctgtgtag aaaggatttt aacaaataag ccaataggct atcagcaaag 420
 tatgagaaat atttatccca ttgattcggg cagagatgcc ttcac 465

<210> 30226
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043b10d1
 <400> 30226

ccagcaatag tactagttta atattataag cagagattca taattcagat taactagccg 60
 aactttatac agaagcgacc aattacaaa catttatata tatatatata tataaaaaaa 120
 aaggcaacca tgaccttaac acacccatca caagtccaaa acacttgaac ttgctcaagg 180
 gcaagaaatg accactttat tctaaggggtg tttgtttaga cacaaaacac cagagtgcaa 240

cataatacat actacataat tttgaagttt tgaaactaca tatagttttt atcattattt 300
 ctaagggcca tttctgcttg aagcttttagc tctccaacac ctcacttgca agtgcagggg 360
 ttgcaggtgc agttagctcc acatttgcag ccatcgttct cagcggaac acccatttca 420
 gcactctcga attgagcctt aactggtgcc actcccatga cc 462

<210> 30227
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043c04d1

<400> 30227

gagctacata caaacagttt attcaaccaa caagcaatgg tagatttttt ttacaatttt 60
 tctgcccag cttcatgtat tagtttttag aattgttctt gaatcattca tacaatggct 120
 tttgcatttg tttttgaggg ggaaacaaaa tctttaggca aagctttttg aacaacgtta 180
 aggggacatc aggaatgtgc ccttcaatcc aaaaacctac taaaaatgaa tctgaaatcc 240
 acaaataatg aaccaacaac aaatctacac aatttgcaag caaggaaagc tcacaagcct 300
 aggcatcatc actccaatta aatgtctcgg ccattaaatt caaactagat aacctcagca 360
 gcaacagaat tcaaattctt cgaattggaa ccagaaaccc catcctgttt cgaagtagtc 420
 tcaactctgac ctaaaatctg gcctttactc aagcctaag catccttgtc gctccaacaa 480
 ggccggtaca gattccttcc tcttatggaa tatcttcac tcccaaa 527

<210> 30228
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400043c08d1

<400> 30228

gcttccaata gtcctttaa ctttccaatc accaaattta tatttgatga gtcaaagatt 60
 aatattgtac aatcaacaaa gcacctcaa atacaagtcc ctgatctaata catacctaag 120
 ttgttaaaga aaatctagcc cattccatat aaatcttatt aataccttac tccaggacct 180
 gtaagacaac ctaccaact attattaaac aatttagtct atgccaccta tgcccaaatt 240

gatattgata tattgaaaca aaccaggtgg aagaggaata acagagaagt gtataaaata 300
aatatgcaac ttcagacttg tatgctcaag ccgcaagctt atatttgaag atgtntatcc 360
cacaatttca gatccaccaa aagattcatg acattaataa taggatccat gcccatgtga 420
gccatcacc ccgatgatacg atgaatatga acctctacca taatcagaa 469

<210> 30229
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043c09d1

<400> 30229

cccaaaagaa gatattcgaa aggggtattat taaggaaaca gtgtccctcc aaatattaac 60
aaaagtcaat tcctctacaa tgagacaaat gttatttgtt ctctacatgc ttttttcttt 120
tttctgttgg cttcaaaata atagtttaga aaacattagt gtaaacatac atatttcaaa 180
agtgcataaa ttccaaattt agagtaactg taaaaattat catccaactc ttatttgtgt 240
tataatatta atgtctcaac ttgaatcagt ggatgtaatt gccatttctg cccaccaaag 300
tggtgatgct tttggatttg ctccatcagg ccccatagct gggatttcct tgagtctaga 360
tgtaacttct ttcataagctg gccttttttt cggatctggg tgtacacagt ttcttatcac 420
tttagacca 429

<210> 30230
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043c10d1

<400> 30230

aatattaaac aataattttg gcatcataaa ttcttccgga ataattatac aaaagtgacc 60
agggaaaacc cgatctgcca gttgccact gaataaaaac acacatacata ttactatgtg 120
ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcctt ttatccctcc 180
ttaatcctta tgccgtaaatt ggcaccatcc cttgtaaatt gtaattgctt cttcagaaat 240
agaattatac aaaggtagtt gcaatatcta tttgccaac tataaatgta aagacccttc 300

ttcccaatcc tagtagtgtc ccaattgtat ttacaaaggt gggacaagat atgtatatac 360
 aagtacaacc atgtaacata atgtaacaat aatcatactt tgggtctttac tagtgcacat 420
 tacaggaggat tattatgcac tgaaaccctt ttgcagagaa ctccagggat tggaaggaat 480
 actgacacaa gc 492

<210> 30231
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043c11d1
 <400> 30231

gggaaggcaa actttacttg gaaacccatg tttgaaactt aattggcccc ggtccaaatc 60
 aaaccaagaa ggggtttttt cagtacttat accaatcttg atttaaggct tatttaatatag 120
 taagtttggtt caaaagcatg agcattacaa gccaaagtac caaccccaca aggggttttat 180
 tattaacggtt ttctcctttt ggggatttca caaattaaaa gtgggggaaac tttttttttt 240
 tcaagctatc cacaggtttc ttgggggtta ctttcaaagg ggtatttttca atccccaaagc 300
 tctttgcctt ttttttggat acctgatata ttggcacata tgggttatca tctgcacact 360
 tctttggaag tagtaatgtc ggggtcaaatt acgtaaaatt ttcacaatt 409

<210> 30232
 <211> 68
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400043d04a1
 <400> 30232

atttcncgg tcgacctgcc cactacttat ttttctttaa tagaaacca caaagatgac 60
 cttggggg 68

<210> 30233
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043d06d1

<400> 30233

caacaacaaa attaagaat aatagccttt aaaccataaa cagtttataa aacttcgtta 60
 taaattaaat gcaacttaaa acatccctca gcagcaaagg aaatggacta aaaccctata 120
 gctgcttggtg aaattcgaaa tatctcagac tcttcttacc atcaaaacaa aaaacagtac 180
 tcatcaaaaa caaacagcaa tgaaaattga ccaccgccga tcaagaacct agttttgaaa 240
 gttacggcta catgaaatcg gcagaaactt aaaaatataa cttaaacaaa acacctaaga 300
 ctctgcaagg ataaaactac tataaaggag taaccacgat gatgatcaca tgtgctagca 360
 aaattgccca aatgcaatca cttcttcttg gcagcggcct tggtgacctt ggctccggtg 420
 ggggtctttct tctcaacact cttgatgact ccgacagcca cagtttgacg catgtccctt 480
 acagcaaaac g 491

<210> 30234

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043d08d1

<400> 30234

atccaaaacc agactttatt agattgaaaa gcgtaactgt gcattgagag aaacacataa 60
 atgctaattt aatgaacaaa gatacacccc tattatcccc caagagcagt gtctcgctccc 120
 catgcccttt gaatacattg gacgtgatgg aagcctaaga cagtcttctt aattaatgat 180
 tatatggggtt tgcaccagga gggaggacaa tcaacagtgc ggctgcaaca tct 233

<210> 30235

<211> 321

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043d09d1

<400> 30235

atggatcgta ataaagggaa accctatagg tcgaaacatt aaacgatcat ccctagatag 60
 acatctttgc ctgttctact cacagaaata gtcaaagtgt atcgaagcaa aagctccagc 120

ttttactagc agttttccac ggcttgctta tcttgggaaa acaaaaaaca ctgctagtga 180
catataccca tccggaatat aacttccggt cgctctttat acgttttgca aacacactag 240
agttcatcaa gcacagccac tttcttggag ttttccccag ctgccgtctt tgattcagca 300
cctgaggcag tggcagcttc a 321

<210> 30236
<211> 451
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400043d11d1
<400> 30236

gggggagcaa acacaatatc attgccaaat actatttatt ccaaacaag atacaagtta 60
ttgattcagc cccccagcga caacaccttt caaagaagca caacttattt attcatctgg 120
cacaaattac attaataaac acatcatact ccacgaataa cgcaacataa attttccata 180
aattccatgt ctacaaacaa caatggcgaa ctcaaaccac tcattgaatt attgcctatt 240
ttttgggtcc acctgcatta ttccctcctg catcctgggc cgctttcttt gccgcctttt 300
cctgcagcgc cttagcatct ctttccctgc gctggtcagg ggtcaacca tcacttttct 360
gcttgccctt accaccggtt ctagecctgag cccttcgcg aacacgatcc ctctggttac 420
cgcgagtcac tatcggagat cgatttttga g. 451

<210> 30237
<211> 472
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400043e03d1
<400> 30237

cttgccaaca atcaaaataa ttaaaaacat ttaacatggt cataatctca cacaatttca 60
ctcttttaaaa tgtatatata gtacaaaaca attttcgtcc caaagggatt ataaccaagc 120
ttaagcaatt gcacacccca cacttaattg cttatttatc aaggaatagc gtagctaaat 180
ccttgaaaca aaaactcatt acggaaaaca catataatgc ttaaagaaat tattatcaat 240
tctcaatctt tatctcttgc cccatgtacg ttcagtatct gaagtctgaa tcaccgcatg 300

catatttctt ttatttactc aaaagcttgg cttcaccggg tttccaaggc caattacaaa 360
 tcgatatttc acatctgctt tggcgaggcg ctctattgca gtgttcacat aatctatggg 420
 aataacctca atatcaggct tcaactccatg cttagcagca aaatcaatca tt 472

<210> 30238
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e04d1

<400> 30238

aggtcataaa aaatatcttg ttacttttat tgatgatgca tgaaggattt gttatgtata 60
 tttattaaat acaaaagatg aagctcttga taaattttaa atttataaga gagaggtaga 120
 actttatcaa aatgggctaa tcaaaactct tctgacgaat aggggaggtg agtattatga 180
 tccggtttat tttcaatcta ctggaataat acatcaaatt acagctccct atacaccaca 240
 acacacacat ataacttcag atttatccag tctcatctcg attttcaa at taaccaacac 300
 tattcagcat ctgataagca cttgtgaatc acaacacaca cattcatgag tccggcttgg 360
 attttttcaa gccattccgt tagattcttc atacctgatg t 401

<210> 30239
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e06d1

<400> 30239

gggggaaaaa ttgccccct taaaccccc accctatatt cttttaaaag gcccaagaaa 60
 actccttgga aaaggccaat aaaaaccaa ttggccaaaa acaaccaag gggggagggg 120
 gcataaaaaa cggggggaaa aaaaaactt tttcccacc aagggaacca atccgggggc 180
 cttttggttt ttttcatctc ccaaaggga acttttgga aaccggggg ttttttttg 240
 ggacaccgga taaaaaacca aaaatggggg ggggggaaa atttttacc ccaaaggccc 300
 ctttttttac cttttgggcc gggggaaacc acccaaaatt tttccccta atggggtggg 360
 aaatattaac cccccccatt ttaacccaa gaaaacacc ttttttgcg ttttttggt 420

ttaaana

427

<210> 30240
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e10d1

<400> 30240

gaatggaaga aggcataatct ttaaattgaa ttgatggggt ggaaaacccg aatttaaaga 60
 tttccaatca tacacaatat tgcaacaaca aaaagaattt taaaaaaaaa agactttctt 120
 tttttacttt ttttaccxaa aacctaagca aaatataaaa acaaacgaca ctttttttta 180
 gactctttaa atccaaaagc tgatcacaat caaaatcaat ggcgttattt atgaaagctc 240
 cataagactt caaacgacca aaagccggtt tctccattga tgttctcttc aaacatgaat 300
 ttactcttca atagcaaggg gcacagactc agccaatttg cgggtacttg gagcatagaa 360
 catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct ttcagaagcc 420
 atacacacca gtgagtgtca agagcctgtc cgagtaaatt tgcattgtga cttctcatga 480
 atacgctgga gtccaccctg ggagatttt 509

<210> 30241
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e11d1

<400> 30241

agataaccac tttttaccat atatatatag agagagagaa tacgaagcac actgatcaca 60
 ggatgatgct ctctttaagt agggaagcag atcttatcag tacacatagg taggttgaaa 120
 ttctagctct agcaatctag ctagagaagg tagtacttgc acaacacaca gcacatgata 180
 atttatttta tacacaatct cattctcatg gtgctcaaga tgcattggact aattaagcaa 240
 caatgttggt ctgataggca gtgtccacag ataaattggg taccataaa atggccttgc 300
 ttccaaggaa atggcaaaca gggtagttc caggatcaac tcccataagt tgatgaagca 360
 tttgatgatt cattccagaa gtatttgagt ggcaaatagc aagtgcctga gtgttggttc 420

catcaccagc caccaatgga accatgaaag ctgttgtttc acggacttca tggcagtaaa 480
 atactgcag 489

<210> 30242
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e12d1

<400> 30242

agataaccac tttttacat atatatatag agagagagaa tacgaagcac actgatcaca 60
 ggatgatgct ctctttaagt aggaagcag atcttatcag tacacatagg ttggttgaaa 120
 ttctagctct agcaatctag ctagagaagg tagtacttgc acaacacaca gcacatgatg 180
 atttatttta tacacaatct cattctcatg gtgctcaaga tgcattggact aattaagcaa 240
 caatgttggt ctgattggca gtgtccacag ataaattggg taccataaa atggccttgc 300
 ttccaaggaa atggcaaaca ggggtagttc caggatcaac tcccataagt tgatgaagca 360
 tttgatgatt cattccagaa gtatttgagt ggcaaatagc aagtgcctga gttgtggttc 420
 catcaccagc caccaatggt accatgaaag ctgttgttca cggacttcat ggcagaaaat 480
 act 483

<210> 30243
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043f03d1

<400> 30243

gagtgttggt agttgtgaca gctaaaccac atctcaaata tgatactaca taaatctggt 60
 tattcatttt taaacgaccg ctatgtctac aagtgaactg agaattacca aatatgaaat 120
 ctacagagtg aaagtattta aagacacaat atacatgtgt atgttattgc gcatatggct 180
 acaaggactt ttttctact gatcataagt gctcaagaag ccaccaacaa agcctgctcc 240
 attgcaattc ccgcataaca tctccttccc gcaaagccaa caagagtcac cggctttaa 300
 ctgtccattg aaaatatcaa cagagttcac cccactgctt ttgcattgag agcatagaac 360

agctccattt ccatacacagt cagcacaaat cacactattc ggttttgtgt ttcggtttgt 420
gctttgggtg tcttttgcag ccttggtaat gacatagcga tatttggtag caataggga 479

<210> 30244
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f04d1

<400> 30244

atcacaagat atatcaattt aactttaaca ttagacaatt tcaacatttc catttggcaa 60
tgcactcatc tgcagtgttc tgccactggt tgatgccaaa aaccgcacag agggttaagga 120
aggatccgta acagattcaa tctcaagaaa gtttaggtca accgcgccag atctcttcaa 180
actcaaaaca aagacaagtg caatccatcc caacaaggaa agtgcccagt aattgctcat 240
cccatgaatc aaaccccatg ctatagcata tccaacaaca atccccgata aatggccaag 300
aaaactcgcc tgaggaacaa tgatcgaagt gaagataagt gattcaaacg gtgcaaaact 360
gataggaaga gaaagaaacc caaagagatc caacttgga gatggttgct tcacagaaag 420
aattgtcatt cacccaaaaa caacacagga ataccaaca gccgtca 467

<210> 30245
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f05d1

<400> 30245

ggggaaaaat ttgccccctt taaccccccc ccctaattt cttaaaaaaa ccccaacaca 60
actcctttaa aaagcccaaa aaaaaccaat ttgccccaaa accaccaag ggggaacggg 120
tcaataaaac ccgtttgtaa aaaaaaaact ttttccctac caatgggacc aaccgggga 180
ttatttagtt tttttcccta ccccaaagga aactaatgaa aaaaccggg gttttttttg 240
ggggacaccg gcaaaaaacc cataatgggg gggggggaaa aatttttacc cccaaagacc 300
ccttttttta ccccttgacc ccgggggaaa cactcaaat tttccccca aaggggggga 360
aaaaaaaac cccgcacctt tcccccaaa aaaaaccct ttttgggctt ttttttttaa 420

aaa

423

<210> 30246
<211> 377
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f06d1

<400> 30246

gttcagggaa tcggggaaaa ccccccgaa aaccaaata gggaacccc ccccccaaaa 60
ggggtggcta caccaggttt tttcccccc acacaagggg gccccgaaa aggataaccc 120
ctcctataaa ccagggcgga aaaacaaagg gcgggggaca cggggcgggc cttttccctc 180
ccggggggggg ggcctttttt tttctggcgg gggggggcaa aaacccttat ggttgggaca 240
atcgcccaat ggggggggaa cacacgcccc caaaatggtt ctcctgggga aaaaatcccc 300
ccaaaaggaa gggggggccc cccccccaa aaaaaaccc cccttttcgg ggggggaggg 360
gggtcgtagg gggggggg 377

<210> 30247
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f08d1

<400> 30247

aggatagcaa aattccaaaa tatatatata taaacatggt tatacgggtt atgagcacgt 60
ttggtttgca gttgaaattg ttatgacact cattctaata cagatccgac gaataaaagc 120
aaaattaagg gtcctaattc tgtggcaaaa gtacttcgaa cttttccacc tgattttcaa 180
acatgcacta ttatgcacat aacattccta atcaaacagg attcctcatt cttttatggt 240
aaggaaggaa aattgtcagc tttccttctt gggatgtata gcttggagaa cagcttcaaa 300
tccttctttt actctttcaa agacatgtgg acccttaact tcacggtag gggctctgtc 360
attaataaca tcattacttc catgaatttc tttt 394

<210> 30248
<211> 348
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f09d1

<400> 30248

gctctaagga ctgccatatac atatacctagt gaagttaatt ggaagtgatc gtacatacac 60
 aaaggcactg cttctccaac ttgttgctcc ctcaaacaaa taggactaga gcaagatagg 120
 cattcaaata agctaaaagt tgatgatact atagcttttg gtcctctttg tttattacta 180
 tgatggatga gcagtttcat ttccaatgga gggacttgaa atctttattg gtgcagcaaa 240
 ggcacaatgc tgctggagat cagtcaatga aaatgatctc cacggggaga aattacgcgc 300
 ggaagacact ttgcttcacg gatggagtgg cgtatttggg taaggctg 348

<210> 30249

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f10d1

<400> 30249

ggggcagaaa gggaaaaaac attaacatta caaccctttt tttggataaa attaccagac 60
 aaactaagaa gggtcagttc cactacagcc tattagcagg acttgccact aattgacatt 120
 ttaagggtgg attcaaaaac catcaaataa aaatgtggga agaaaaaagg gcaaggacta 180
 ctacatcact gttataccac ccaaaccctt ggcctttctc ctaccctttt ttttggcggt 240
 tccttttaaa caacatttct tcatttaggt ttttggggcc ataatgggat gaatacttgg 300
 ccatttttac cttaacgaac tcctcgtagt ttatttggcc attgccataa acattggcct 360
 tgcgaattat ctcattaacc tttttattgg tgagctttt 399

<210> 30250

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f12d1

<400> 30250

ggtaacaac accactttaaa cttccattat atggaacaat atacatattc catccttaaa 60

aagaagggtt cagttaaaaa tctcgttctc aattctcaat aagagaatat aaaaaaaaaa 120
 ccttctctgc cccttcatac acggcatcat cctcataacc ccttccctta aaaaaccac 180
 ttccaaaata ctcaacaacg tctacttagg caacataata ccaagaacca gaaacagaaa 240
 gagaacaaag agattgagaa ctacgaatga aggaggggcc ataacgattc caacgatcga 300
 ttgagatcac tttttgaggc ttccgcgaac accggggcga ggcttggagg actcggaac 360
 gctgaggggtg gcgtgaagat tgacaactct gccctccccg aaggggatct tggggtgacg 420
 cgcgtcgtgg tggatctgca tcgatttcac gtccc 455

<210> 30251
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043g04d1

<400> 30251

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 tagacctggc gtgataagaa aatttctgct gtccttttc tgatgatcat cagaaaaaat 180
 ttgtttccca ccaggaagct tattcaaatt tatgtaaatc atcacttgat cccatgaaaa 240
 atgtccagga gtttccgtga atatttgagt tcaatttgc ccccgatgac ttacaaagct 300
 ggcagtggac atactatgca gatgccccct aactttaaaa aatttctca tgataagata 360
 ttttaataat tctggttaga attatgctcc ttgttacttc atattaaccg atgatatatt 420
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<210> 30252
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043g05d1

<400> 30252

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cttaatgctt ctgttgcaact tccacacagc actgttgcac ttaaagccac tcccaaacgc 180
 tatctgccac accctatcac ccttcttcat cctccccttg gactcaatgt agttgagctc 240
 ataccacagc gaagaagacg aagtgttccc aaacctgtga agggtcattc tagaagcctc 300
 aacgtgttca gtagaaagct gaagattctt ctgaagctca tcaatcacag cacgtccacc 360
 agcgtggatg cagaagtgtt caaaggcttg tttgaagtca ggaatataag gcttccattt 420
 ggggttgaag attttctctc caatgagagt gagaaggaac agcaactgct cggaagccgg 480
 aagaacaaga ggacccatag tagtaatgtt agac 514

<210> 30253
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043g08d1
 <400> 30253

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 atgtatacat acaaaatgtg aacctccgaa taggttataa tacatagcta ctggcacaaa 180
 actgcaaggc acgttgggtat tacaaataaa acattaccac caagtttagc tctagtgggt 240
 ttccttatgc atcttctata aacaactgcy gggaactgaa acatcacggt ttcaaaacag 300
 caat 304

<210> 30254
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043g12d1
 <400> 30254

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 aagtacacaa aaaaaagggg gaaattcata aaaaaatata gaaaaaaaaa aacagatttg 120
 agttagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagttgt 180
 tgtgcaaaag tcccttgcca agagtgttgg aaccctttt agttaagcag gtaccttctc 240

ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcattctctgc caaagtgtcc 300
 atatgcagca gtcttcaaga acctgccatt tccaccctc ttgagatcaa ggttgatgga 360
 gatcatgcca ggcctgaagt caaaactctc cttcacaatg ctgaggattt cttgtgcagg 420
 gatcttccca gtgccataag tgtcaacaaa cacagac 457

<210> 30255
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043h03d1

<400> 30255

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 caaaaattta atcaaaaacc aattggctgc ctatggatga gatctcaaag gaaagcgtgg 120
 tttttcagta ctaaacagag ttcaaaacat tggcccaaaa gcacagatcc aaaacttaaa 180
 aacagcaatt tccgaagcag cttgaaaggg aacattatat cagttcctaa ctaccaattt 240
 caattctttt ttacagtggc aggatttatt atgtccacca actccggctt cagggggggc 300
 cccccacca aaaat 315

<210> 30256
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043h04d1

<400> 30256

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 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180
 aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaacc 240
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcacttggac ttgaaggga tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtcca ccagaagat ccagtgttca tcccaaccaa 420

ggtccttggtt gaagatgata gcagctccaa gactacgagc aggggttgata ccagttccccg 480

tgatggggat gggtt 494

<210> 30257
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h05d1

<400> 30257

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gtttttgggtt ttgttttttt aaaaaaaaaat tcaaatacta aattgaagtg gtaacgtgggt 180

attctaaaag aatactatag gaatacacia ttcgatatca tatttttgtc ttcaacaggg 240

acctaaaccc tccctgaggg gacccaaaagt tgaaccctga ttcacacaag ctggtttccc 300

ctttcgcttt cgagggttc ttcattcgct cgcacccaaa caaatcaaaa tcattoctc 360

gtcgagaccg cgcttttaaa ttaaagatc aagaaagatc tcaacagccg gttcttctca 420

cgtgactttt acgtgcgtgc gatcaacacc gaaatt 456

<210> 30258
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h06d1

<400> 30258

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aaaacacatc caagaaacga aacccaacac agcaccaca aacacttgca cacgtttttg 120

tttttggttt tggtttttta aaaaaaaatt caaatactaa attgaagtgg taacgtggta 180

ttctaaaaga atactatagg aatacacaat tcgatatcat attcttgtct tcaacagggg 240

cctaaaccct cccttagggg accaaaagt gaaccctgat ccacacaagc tgctttcccc 300

tttcgctttc ggagggttct tcatctgctc gcacccaaac aaatcaaaat cattcgctcg 360

tcgagaccgt gctatcaaat taaacgatca agaaagatct taacagccgg tccttcttac 420

gtgactttca cgtgcgtgcg atcaacaccg aaattcaaca gcttaatcaa tcaaccaatt 480
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<210> 30259
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043h07d1
 <400> 30259

gaaaagaatg aacaattccc atcaatttat ttggataata gttttgttta attaacacccc 60
 aaattgggtca caattttttg ctttaaacca ccctagatga tgattttggc tcaaaagggtc 120
 tttcgccctg gtccgctctg aaaagcattt tattccaatt tggggccctt tgaacaattc 180
 tggggggaac cc 192

<210> 30260
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043h08d1
 <400> 30260

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 cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag aataatcaga 120
 atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat gatattgtca 180
 caccagaagc tatgcggcgt cttccatttg atattccatt tatcgcttgg agatttacia 240
 tgctaattgac ctattttctgc attacaaacg ttgttgcccg aaattggact tcttacaagt 300
 agataattgt gcacaaagcc ggccatacaa atgatccatc ttatttggag aaaagtagcc 360
 gtgtttgcc aatcaaataa aaaaagaagg gcacaatata gttgatacaa tgataacagt 420
 tcattttcac aatttctatc aaaaaagact ta 452

<210> 30261
 <211> 511
 <212> DNA
 <213> Glycine max

002250-ETTES6

<223> Clone ID: jC-gmst02400043h09d1

<400> 30261

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cccttttgtc tccaagggg ggggggggtt aaaaaacaca gaggaaaaaa gaaactcttt 120
tcgggggggg aaaaaaacg ggggggttca agggcggggg gcgcctcccc gggggaaaaa 180
agaaatTTTT ttgaaattag gggggccccc cgggggacgg ggctcaaaat ttgggggggg 240
gggggggttaa aaaactctc ccccccttt taaaaaggg atttttggg ggggggaaaa 300
agaggggggg gcccaaaaaa gggggggggg gatcttctcg ggggggtggg ggggggacct 360
cctccccggg gggttttttg gggggaaacc gggggggggg ggggggtctc tcttcccaa 420
tagagggccc ggggaaaccg ttgggggggg ggggcccccc cccgccaggg gggggggtgt 480
cacacccgg ggagaattcg gggggggggg g 511

<210> 30262
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h10d1

<400> 30262

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cttacagttc atcacttcat ttttattctc cagggtcgtt taagacttat aatcacacac 120
attacataat aaatagaata gaacaatgta tttcaccact aactgtatag accacacgca 180
caactcgttt ttttattcac acacaaacaa atataataaa actggggccac tttgtTTTT 240
tttttcggta ggcaccaggc cacttaattc gttgatctcc tctaaccatt ttctttctgg 300
tgaatcaatc tcctctaact ctaatattgg agtcattgcc cttgccagaa atgcctatcg 360
gatttgcatt gcagagttca gatcagtttc caatgggata tgatctttcc attcgaatat 420
cacttttaac agcttgtctg ttttgact 448

<210> 30263
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h1d1

<400> 30263

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agtataaaac tattaaatat attcacatga atatgaatct tgagttttcc ctggcaagta   60
aaataattta tagaactaaa tgaaatattt aacactaccc tcaaaggcat agctacagtc   120
caagtccaat ttcatgcaac aaaaaaaata tatttatata aaaaaaaaag agagagagaa   180
gaaaaaagga ctacaaagta tcgttttcct ccgacttctg agaaacttct gggaatcggc   240
cccaaacggt taaacgacgc acgtgacgac tccgcgtgcc ggtctcggat tccctacgcc   300
actacgtaat ctaatctaaa atgtttcctt tgcttaaccg tcgccgcgtg tcagttgcac   360
actctttgat ttgtcctgta acacggactt aaccacggcg ttttctgatt ctcgcgatgg   420
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<210> 30264

<211> 363

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044a01d1

<400> 30264

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aattacttat tcacaacatt actctaccta ccctttgatt gattatttga cacctgaact   120
gggggggcct acgcaccaac accgactgaa ccgtgataca gtccgtgtca tgctttgtgc   180
acgtggaccc cactgttggg cacttaccac ccaatgcccc ccgccaccat tattagtgtc   240
tattttcagc cagacaaaag agctaggaca gtgctcagct tcaacagaaa ggtgccatgc   300
tctgcattga aacttaacct tttttttaat gatttgagtt ggcgagagga catggaatag   360
gat                                                                                   363

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<210> 30265

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044a03d1

<400> 30265

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 ttctctgcaa acagaacgtg tattttttgcg gtaccataaa tgcggggggac atgggggaag 180
 tgctgatgcc ccagataatg agctgtgaca ctgccaagac acaaggacct ggggcagact 240
 gcttagctca cacaacttaa gcacggaacg ccgaggggtt tgtgttgagc tgctcacaca 300
 atcacatcta tcccccccc tttgcaacat ccaagatcat gaatagggca gtaacggcgg 360
 ggccctcttc ggaccctgct ggaaagctta a 391

<210> 30266
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044a05d1

<400> 30266

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 tttttttaa agggggggcg gcttcagggg gggtaaaatt ttttaacaaac ccccttttcc 120
 ccaaaaaaaaa ttgggggtggg gaaaaaaaaa aggggggggt ttaaaaaaaaa ttgcgcctgg 180
 gaaaaaaaaag gggggggcct cccccccca tctcttgtga aaaaacgggg gggctttggg 240
 ggggtttgta aacaccccaa aagggggga 269

<210> 30267
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044a07d1

<400> 30267

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 accagaacac aaaacacaac actttccatc cctatacgtt ctaaactca aacatcacat 120
 ttgaacctct taccctttca cggtaacca tggtttcacc cattataccc tccccaagaa 180
 caaacgcaac cactcctaac ttgaaactca cggaagaacc tgcataataa gcctcagcgg 240
 gcaagctcct tggtatcacc attgtcacta tcatccccag agggaccggc acttatgttt 300

tacctcgtac tt

312

<210> 30268
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044a08d1

<400> 30268

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 cttcaacact accacaatac cacggtttac tgggccgaaa aacaaggaca gatgcctaac 120
 gtccttagga aactcactct attacataag ccaaaaataa tacatgaatg agtcataacc 180
 aacagcaaaa atatcactga ccaccatgct ttgccttggt atgttggtgc agaccacttt 240
 cattggtgaa agacttgctg caggttttgc aagagagtcc accagactta ggagtcttgg 300
 ctttggttc actgttgga gtcttggtt tggcttcgct gttgggagtc tttccgcctt 360
 tctttgcagg gtgaggagt gctgtatgac cacctttctt accatcagtc ttttcaagag 420
 tagcattttt ggctttcttg gaagaaactg gagtttttga tgcagactca ttgggtctct 480
 tctttccc 488

<210> 30269
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b01d1

<400> 30269

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 gtaaagacaa gaatgatttg tgactcaaat cctggaaggg atcataggaa tagtggttctg 180
 taagtatgca ctggcagcag caactccact tccaagcttt acaggataac ccacatcttt 240
 gagtatcatc tctacaccag ctagacatcc caacagttgc aactcattca agtggccaag 300
 atgtccaatt ctgaaaacct tcccagcaac tttgttcagt ccaagaccta agtcaaatt 360
 gtatctcttc catgccctcc taactatttc agtactatca atgtaagcag gaacaagaac 420

agcagtcaca gtgtcactgt accactcttc cttttgggtg caattcttca aaccccatgc 480
 ctctacagca agtctgggtg ctttgcctaa acgactgtgc cttgcgatca cattttcgag 540
 tccttctca aaatcagatc aag 563

<210> 30270
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b02d1

<400> 30270

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 ttaagcaaca gacatatgct cgttccaatc agcaggggaa ctcaacaatg ggaacacgtg 120
 aaataactac ccgagtaaaa tcaactttcca acatgctacc aatatgccta ccaaaggaat 180
 actacaaata aaaccacaat gagactatta agattatfff ttctcctctt catttggtgg 240
 ctgggtcttca ttcttctgct gtgggtcaaa ctgattttgc atggaagcca gcaaattctt 300
 gacagatggg tcatttgggt caaccccagg aagcgatgca aggatagaag atacaaagga 360
 ctgatctgcc aacagtttac tcacgtaaga ctggctagcc gagtcctttg agctgtcttc 420
 tactgacaat tggagagcta gagccaactc gggatcttca gcag 464

<210> 30271
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b03d1

<400> 30271

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 atagaacctt attttgctg acacaaaaaa caaaggcagg ggattgagct gagttaacta 180
 gcaattcttg aattgagaaa accatttttt tttttatata aggggggggtt atcgcttttt 240
 tttagcaact caatcattcc cttccctttg atttgagttc actcccagtc ttcggcactc 300
 aattcatcat tttcttggtt gggaggggta acaaccaata acacagttcc taaactttga 360

gtgaaaccct tttcctttaa tcccgaaccc cttttgacct ttaaaccctt accatgagga 420

tttacaagat aaaacc 436

<210> 30272

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044b04d1

<400> 30272

ggggcagaag tttctgcttc cttggctaac aatTTTTctg ccttggtttc tttctcttca 60

aaatcaccct cctccttata tttcatagga tttcttgact cagaagattc ctctttaact 120

tccttatttg agatcctttc cttctttgca tcttcagcac ttgtttcctc tgtcttcttt 180

tcctccaatt gtccttaac tgatggcttc cttgtaacat ttgttattga aggtcttgac 240

tcttcttctc ctacaccctt gtggggcttc tcagcagttt tgactttggt cagcattggt 300

ggtgtttggt ttgcttcaaa ttcctcttca cccttttggt gcctttcagc tgttttggct 360

ttggtcaaca ttgctggtgt tgattttgct tcaaattcct cttcaccctt ttggggcttc 420

tcagctgttt tgactttggt cagcattggt ggtgttcgct ttgcttcaaa ttcctcttca 480

cccttttggt gtctttcagc 500

<210> 30273

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044b06d1

<400> 30273

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agcagcagct tgctcactta aatacacaac tcctaaaatt tctaattgtca ccacggggta 120

agcaccctga tggggagcca agggttgggc tcaccctggg gtttaccctc cataatacaa 180

ccaaagactt acccaccata taataataat ttattaataa taaggtaacc taaagaaata 240

attaaaaaaa aaggcttttc accatgacat gcaaaagggt agacctaattg atccccacaa 300

ctggggaccat ttttaaactg gtttttctca ctcaactgg ccataagttt aagcttcagt 360

tttctcaaca ggaacctcta cgggggct

388

<210> 30274
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044b07d1

<400> 30274

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atagaagaca cccaactgat cttaagtttag aattaaatag gttttatatg ggtccgcat 120

gtcagccggt ccggaat 137

<210> 30275
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044c05d1

<400> 30275

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tgttttagctc aaaatcagtt tttttaaaaa ttcaaagtc cactgagata tcttttattt 120

tgagcccgtt aataataatt tataagccac caaacagctt tcatattacc actctataag 180

atagaactcc aagttctcat gatcaaggaa aactgaaaac agactcaagc aaaatcaaca 240

cagattatca ccatcaacca tcacacacac acaagtatag cttgggtgtcc taaactcgta 300

atcacaaatg ccctcagaga aaaaatattt agtcttcttt cccaacaga gtgagaagga 360

acttcttgta gtcccctgag atttccttgg caatagcatg ctcaagaaga acgctgtttc 420

tcttgtagta aacctctgag attattctta 450

<210> 30276
<211> 470
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044c07d1

<400> 30276

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 gtgatagccc tgttaaaaat tgtgaattgt cagtgtctaa aaatgggtccc atttaacaac 180
 atacacttga aaggaaattt ggcaatgacc tatagaaaat agatactacc ttgctccott 240
 ggttcattaa cgatagtatc cccacggccg gccgcagaat cgacttgcac cgcaagggat 300
 aaccggcccc acccctaattg ttctgtgca ctcccggtgtg ctgctggcca tagatagcta 360
 gaagattgct gattcatgag gcctcctcac ctagaacttg gcagacccaac tgtgcccggga 420
 cctgatgatt gctagctgca tactacaaaa caggccacac ctggcactgg 470

<210> 30277
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044c08d1
 <400> 30277

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 caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
 ttcttgcccc tcaccagact cagcaccac ttcttcataa tctttctcaa gggctgcaag 240
 gtcctcacgg gcttcagaaa attcaccttc ttccataccc tcacccacgt accagtggac 300
 aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc 360
 cacactgggtg gagtttgaaa tcatgcaaac tgccctctgc accttggaac ggctgcctcc 420
 aggaacaacg gtaggtggct ggtagttaat accacacttg aaaccag 467

<210> 30278
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044d01d1
 <400> 30278

ggatggaaaa cttctatttt ataaaaaccc atacattcac catggactta ataagataaa 60

ggataatctt taacaaagag gatcataata caagcatctc tacaaaccct ttcagtcacc 120
 caatgaaact caattccgca gggattgac caccagctgc cacaatctgt tgctcaagcc 180
 tgaacattgt ttcaagctta ttcttgacta tgcagtactc ttgtttcact tgttgcagac 240
 atctgaggca cgcattctgt ttctgctcct cacagaagtt gcggaaagca atgcaggcat 300
 ttttcaccct ttgcgcgcct atgcttgaac tgctaccctt taactgggtgc acatgagcat 360
 caactttt 368

<210> 30279
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044d02d1

<400> 30279

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
 agtcattcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggcccaggc 180
 attgttggtg actgggtccg caaggtgac agcaaggttc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttctttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgccacca gggtagattg ggtcagtgac ctaccgagg ggcccaccag caatacgata 420
 accctcaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc 480
 gtggac 486

<210> 30280
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044d04d1

<400> 30280

aaaacggcaa gcataggaat agtttttcat tcgatttcta attctgcgca gcgattcaac 60
 acaaatatat ttatatttat agaaaaaaaa aagaggaaac gaggggtaaa agtaataaca 120

aatcgatcat aacaaacagg catagattta ttattcaaga gggattgggc cttgcccagc 180
ctagctataa acatcaaate caaagcgcct aatcggtttt ttcttcgcca ttgctagcat 240
tttcacgatt ggtgctcatc atccgcttga actcggggaa gttgacgttg ccgtcgccgt 300
cggaatccac ggatttgatc atgttggtggc attcctcgac ggagcacttc attccgaggc 360
ggttcagcac ctggcagagc tccgtggcgg agatatggcc gttcttgta tgatcgta 420
ggttgaaagc atcgtggag 439

<210> 30281
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044d06d1

<400> 30281

ggcgccgaaa gggaactcaa acattttaat ttttaagcctt ttaatcgaag tcgttataat 60
attcacacat gataacgccc tgagggcttc gccaaactggg gtcccaagac cggggatggg 120
gttaccagaa agcagaggga ccaccttaaa aaaagggctt tgaatcaagc tgatcatacc 180
atatgccttg aatcttaaca tccttaggag ctgtagcccc catatcaaca tcagaagggt 240
gaacactttt taacacccca ataacctcac cagtctcagg gttggacctg gtgacacca 300
aggggactct cccttgggaa gaggaagcac ttttattgtt ctccctggca agttcctgtt 360
gatcttctat ttcaccagca ggcaaagtaa cagctttgtg ataaccggtt gaggcgcccc 420
cttccttggg 430

<210> 30282
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044e01d1

<400> 30282

caaaaaatct tttctattac agcaaacaaa ggtggggggg ggggggaagg ataattcatc 60
tacctattac tagtctctc acttcactaa acatacaaga ttgacaaaag aaaaaccact 120
caccacatca cacatttgca agactagggg tcattttcta tccctcaagg ctttgatttc 180

caccacata catataccct aattgcctgt aagcaatcca atgaataaag aacaacagat 240
 tgctttttta tctgtacaca caccctcaca cacactggct gtaaccctt gaacacagca 300
 cttgactc 308

<210> 30283
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044e03d1

<400> 30283

gaaacaaagg tgtggatggg acaccaccct ttccatttat aatagaaaa agaccaatt 60
 aaattagggg tcaaggaaag taagacacaa taaatctctt gcaacaccct taaagcttca 120
 tattgtggta acaaacttta tagagccgct ttaaccaccc caatagagca ctactaacac 180
 ctttaaagct taatttccta agtacaagtt tacaattatt ttttttagtg gcaagcattg 240
 atactatatt aaccaattt gttggaacat taattaagcc tcaaaaattt caggggattc 300
 agcatttgct tggacaagct caggatgaac gttccccact gaatccaaag cattgggaag 360
 tccaatgat gtcaaagcca gatgggcccg tttttgcctt g 401

<210> 30284
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044e04d1

<400> 30284

cttagaatga gttcggataa aactaatttg aattagggtc agatacaatt tggttcaatc 60
 cgaaccaatt attttgcaca ctttcaagt agtcaatatc ttttccatga catgatctgt 120
 ggaaacgctc acataatcct attatttaca cacacaacaa gtctatgatg ttccaggatt 180
 gttacacatt ttaaacadat caagagagca aattgttaca tttagacaga acctgttcag 240
 gaaggcaggt tatcacatct aggaatgcac cctgccattc tcccttcaat caatgcgcgg 300
 caacaccgac cgacttggag tccaattcag gagca 335

<210> 30285

<211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f01d1

<400> 30285

ggcaaagtgt ttcaagtgtg ggccttttaa atatagatac tgtacattac cgaaaagctt 60
 ggatatcaaa gcaatctgac ttgaaatttt tacaaaagtc aaaattcaaa gacagtaaaa 120
 gggggcagca ctagagagaa gagacattgt caaagataga atctacaaac tacttgtcta 180
 gaaaaaaaaa agattatact aatttgggtct ctactctaca atgagtctct cagttacatc 240
 ttgagagact gcttatctta gttgtcatat gctccctctt accctttctt taagctactc 300
 aaatcattat aattataatt catatggatt ctttattacg gtgacatttg atacatcatt 360
 ggttgacaac ttgcaagaat cggaaccgcg tggctctgcc tcaatcagaa gctgaacaac 420
 cttcttcatg ggaggtctac ttgttgggga ttgt 454

<210> 30286
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f02d1

<400> 30286

acagggttca atgttatagg ttttcataaa cacaacaag aaatataccta gtggtcctac 60
 gttttaatgc acaacaccaa tgtaaagggtg tgcacctcca atgttgatct atataaataa 120
 caaccgctaa gaaacaataa tttccatgaa cagtgtata aaaagatgga aaagatgaca 180
 aagcataaat tatgtcaata taagcaattt cacctgcagt aaaaacccaa aatgagagat 240
 aaaccttttg gtcaaaactc aattgtaata gcgtgaacca gtgtcataga cacggccacc 300
 aggatatgga cctctagggt caaatccttg atctctacca cccccaagaa atcgagctct 360
 ctctcggtaa ggatcaagggt gatcggcaga atatcctcgt tgcacttcac ctgtacctga 420
 agcattcaca ttgttgtaac catgaggggtc tccgggtgcc atgccaccac tggggtaagg 480
 atcccttatg atttgctggt acttgctgtg cctagcatgt gattcccttt 530

<210> 30287

<211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f03d1

<400> 30287

aatcataaaa aaagcatacc aataatttat ttaataataa taataatata ttcttggaca 60
 ttatacattt tcgaatccgg taagctagac aatcaaatca attgatgatg ttgcccttct 120
 tcagtgatag aagaaattac atgaaatact ataacagcaa taacacttaa ttacccggc 180
 ccccccttct agctacttgt taaccctaaa aaaatggagt taatcttgat ctcttctatc 240
 attacatata atcaaatgta atgtaaccct tgttttaatt ttccaagtac tactgaagcc 300
 tgcctaaaat aagcttcatt tcaagatccc aaaataaaact tgggtcatgaa gagatataag 360
 cggagccaga tatacatata aggaattgac agaagaggaa aagaaactca tgtatgaatc 420
 gatcctatca gctgttagcc agttatgaag aaatccaaac aagtgtagtc cccacatgat 480
 ctgacggaaa c 491

<210> 30288
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f05d1

<400> 30288

aaaactgatk tgaaatatca ttccttaaatt taacgacagc aatcttaaga ctaaataagc 60
 aaagactgtc ccataagaaa actgcaccgc agccaattgt tcaatgggtg caaaataaaa 120
 attaaaacct cccgtaaacc ccaaagattc actctcagaa gacaaaatca ctcttcaaca 180
 acattcacta attcatattc aactaacgaa aggttggtat cctctttaac gtcaaaatct 240
 gcgggggtctg tggggtcaat acgcccccat ttatccaactg caggtctcat agatcccttg 300
 aacatgtcaa tctttgcatt acgcagaatt acagttgcgc cagcatttat atggtccacc 360
 tgttctttgc 370

<210> 30289
 <211> 451
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g01d1

<400> 30289

gggaagacaa atttcataat ttcaggcaag caaaaattta tggaatcttg ctctcaagtt 60
 ctaaccgatg aatcataacc ataaaaaaga tgggaggtaa acaagccata ggaaactcat 120
 tggccaactc aactaaacat tatntagaaa cctacaaaat ttaacaaaat agccgcggtt 180
 gtgtaaaatg acaaaactca attgcacaag cccatcgctg atgatagata ctctgctaac 240
 agagtaagag tcaagtagtt gggataccaa tctcacaaca acttactact caatgatgga 300
 ttggataaca cccgctccaa cagttttgcc tctttctcta ataacaaaacc ttattccttg 360
 ttcacaagcc acaggcccaa taagttcaac caccagctta acacggtcgc ccggcataac 420
 catcttgac tcttcatccc tgggattcat a 451

<210> 30290

<211> 413

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g02d1

<400> 30290

aagcacaaaa gacggggata acttgatatt atttattac atacatgcat agatagcctg 60
 ctctcaaata agtcggcggg aacaaagatt gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tttttaacag aaaagagggg gttgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgggtactctt aaaactttga acttcaacttg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc aacatagctc 300
 gctggtttga caacgcattc accactggtg taccggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatgggcgca actgggtgga atgagtgga ttttccctca ttt 413

<210> 30291

<211> 332

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g05d1

<400> 30291

acccactct agaacatcat gatttattha tttatttatt tatttatagc ccttaacaca 60
 tataattccc tggatacaac atgttttctg ggcatattca actctagaga gctttatctg 120
 atatgatcat cctttacata ttcaaagata gctaaatact taactgtata atatatcaca 180
 cacaacgaga gggacctata tagagtaaata aataaattta agtttaattt atacacacaa 240
 accttgagta tataacatcg tgatccaaat attcaacaag aatttacttt attaccgcat 300
 catgttaaaa tgttgcgata aaagggggga ac 332

<210> 30292

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g08d1

<400> 30292

ggagcataca atcacggttg tattggatgg acaagtcatt cttgcataca ggctatacaa 60
 aaataataag aataataatt atgctgtggt cacaatgaaa attgcatctt taattgagcc 120
 aagagaaaag aataataata tacatgccta gctattttga tcaagcaatt aaatattgaa 180
 gacagcctag cagtagcgca atcagagatg aaatgaaata tggagcagca gaaagagaga 240
 atgaggttta ctgcagcttt tcccccttac ccaccaaagt aacacaaatt agaaggatat 300
 aaagatatgt agattgattg gacagacaca agcaaaactc tcccagggg ccagaataag 360
 tctaaacata gcaaggagac tgatgcaact ccaaccgta accatttcaa aatcttaggt 420
 gctttctgct ggaacctggt tcacaacacc aatgttgttc ataggttt 468

<210> 30293

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044h01d1

<400> 30293

attatgtgac tttaaaacaa acatgagcta attctcattg atgatcattt ccaggattgc 60
 atacatacaa gatcatcgtc gtcgtttctg agtattggta gaagcagcag aatcttctac 120

aagggtttaag acattcaaatt tcatttggtg tacacaaagt ggggtcgacg actataatac 180
 acagctgtac aacacttaatt ttgctagtt tccttcattt ctgtaactta ttccccaata 240
 tactcctgat gaaaaattat caggaataag ataccataa taccctata ttcttcagaa 300
 ctgaccctaa caagctaatt agagctcatg ggctgattta cgaagattag caagtttgtc 360
 tctccatata gctgcatctt taaatcttct ctgtttgata gctatacgca tattatgcat 420
 catacttagt tcttgagcta ccaaactctg accatctaca gcaactgtcaa gcaatacatc 480
 ataaatagtc tttttattac acactccggc cattccataa ccaattctga tagcatct 538

<210> 30294
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044h03d1

<400> 30294

agggggggttg gggattttta gggactaaa gcaaaaaaca caaaggagag aaaacacaga 60
 aaccaaggaa ccacacgaaa tggcaactcg ggcgaaatag gcggggggccg gacgccggca 120
 agggggggggg ggagccgaaa accagggggg agcgctaaga aagaaagcgg ggcgggggacg 180
 gagggagggg gccggggaac ctaggcctcg cccaaggaaa gcgcgattgg tcaggacggg 240
 ctatgggcag gggagagcag gggggccagc ccggagccgg gaacaagggc aagcgggggc 300
 cccgcgagcc aggcgtgagg gcaagggccg gaaacacctg gggggcaccg ggggcgggtg 360
 ggagccggc 369

<210> 30295
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044h04d1

<400> 30295

actgataatt gaaaatTTTT atttctctag gataagatac aatcaaacat aaccaagtt 60
 gcgggggttac aaaccaacca aaccacagac taatagcaact cgaattagca accagatgca 120
 cgcaacaattt ctacttttg ttttctcac tcataaatag atcacacgat ggggaaaaag 180

gaaaaagaga gagagagaga gagagagaga gagagagaga gagaattaa ggcacagccc 240
 tcggtactat ggtcccataa accttttaaa tatataggatg atgcagcagt ctaatcactg 300
 tcactgctgc tgctgctgtg atggccatgc tcatggacat gcgccctc 348

<210> 30296
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044h07d1
 <400> 30296

cgccctaaat atttgatttt tttttcttca ggtcctaaaa cataattctc ctaacaagga 60
 acaaaccata gcagtcataa tggatgaaaa aaaaaagtaa atatttcgat atgttaaact 120
 gactttcaga gatcttcacac ttaggaaatg aaaaattcac tttttgaaaa aggaaatgat 180
 aatgaaagtt cttcaaaagg aaaagatgag caaacgttgg aaatgaaggt atccagatag 240
 caattcatag ggtgaaaaaa aacaattatc agaaatcatc gtcacccctc tctgcaatat 300
 gcttagccag ctcttgctct tgctgttgac tctctcttct cttttcagca ctttccttct 360
 ctttgtgtgt gttgggagga aatcgaagtg ctgaaccgc ctcatgtgc atgttaagac 420
 agaaagcaat ccgagaatta aaggctaact gaggtcatt tgtggagtaa atatctccag 480
 tttctttgga ca 492

<210> 30297
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400045a12d1
 <400> 30297

cttccaagga aggttttccc gtcactcactg tatgacgtcc tccttctttg gggggggggg 60
 ggggggggca tgggtaaata gagcatggta caaccttaaa gttctatgga tatattagag 120
 aaagaaagac gagttgcgtg gatgaagagt atatgggttaa ataaaccaag aacgggtatt 180
 aaacccaatg ttggtacgga tatcgttggt tgactaaaaa tagcaggggt cggcgaacca 240
 agggcaaatt aaacggtaag gcacgttggt gacgagtcgt accagttaat accaaagaag 300

acaaagtgcg gatgtagacg cgataagcat agttcgggga agaacaagag caggaataac 360
gtacttattt agagcggata ctgcgatagt gccaaactgc cngaccaaaa caaagtacct 420
gcatgccagg tgcggctgcg atagagcaga tctaccacat gctttactaa aggaaaaaaa 480
aaaaatgtgg tgcaag 496

<210> 30298
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400045b11d1

<400> 30298

cttccaagga agcgtttccc gtcactactg tatgacgtcc tccttctttg gggggggagg 60
gggtgggtggg gcgatgggga taatggagcg tgggacactt taaacgctaa aagattggat 120
tagggtaatt tgggaggacc agaaaagatt aagattattt ggcaacctgt acaggtatgg 180
tatttgacca tg 192

<210> 30299
<211> 356
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400045d02a1

<400> 30299

tgtatatgag actacactga gcatcgtcta gctatctcga tcgaactgtc caaggtcctg 60
tcactcctgt cactgtcact tcggtaaaat agaaaagcat tacgtagggg cagcctggtg 120
cgtacgaagt gaccgtcggg gtgtttgcga taggggggtgg ttaacgtatt tgaaagcccc 180
tgactagca taaatgtaag ctttattaat aagggcggct tgcgatgcc atgggacgtg 240
ttgaacgtga attaaagaca agtagtcaa acgaagaggg tcaacggaaa ggccacatag 300
acatagccag ttacataaca cgggttaggt acgtgcgttt tgcattgtgcc catagt 356

<210> 30300
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400046a03d1

<400> 30300

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agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gggggggcgc 60
gagccaatgc gtaatgacca ataatagaga ggccccatct gagagaggag tacaatagat 120
aacagagggg aaggtgcact gaatatacaa aactacaaaa caaccgggcc ggggtgcgcg 180
ccccacaccc ccagaacaa tattgaaagg tataacgatg atgacgaagg cccggaatag 240
atagggataa aatgatattt ctagggcgcg tagatttaac cttgagaagt agccaaagca 300
ttaatacgta gacgcacggg tggcgtgtaa cgtttggtgc gcaggttgag gttagcataa 360
agagcacccc agtgtaacg gcttggcctg gcataaaaga gataatccga aaagttaagc 420
ttaaaaacaa atataatttg gtaatcgcac agacgtaagc ttacaacgt aggtggttta 480
ttaacttact gcgacggcag acaatacgtg ggggtggctt aggaaactgc gagcgcggcg 540
acggag 546

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<210> 30301

<211> 616

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046a04d1

<400> 30301

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agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gatcgaaagt 60
gcggagggta ggtagtatgg aagagcgcca tgcgcgggat aaagaagggg gggacacgaa 120
gagttatcag cccgttaaaa agaggcatgg taagaggggt atgaaaggcc gagcagcgag 180
agtaccgata gacagaagga taaaacacaa aaaagccgga gcgatttgag cagtacaaga 240
accgacaaaa ccatgaagaa cgtgagatcg aatagcagtg gaccctgggt gtagtcaggt 300
gccgtattgc agcgagcgta ggcgttaacg aagttatagc gtgacaccgt atattgcata 360
cgtgtaggtg gttagtaccc cgtagcgaga gagccaatac gtggtgttag tgcggcaatt 420
gcagtacccg gaagttacaa aaatacaata gcttaattgc agtacggagc gcatgtttaa 480
ggcaaacagc aagctaacgg tgtaacataa gcttgaaccg acgggtctaga cgggcaagtt 540
cgggactttg cattgggagt gtgggggtgtt aacgctgggc gagtgcctgt ctggagagta 600

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gacgatgcgc aaagat

616

<210> 30302

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046a05d1

<400> 30302

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 caagacagcc agccaccaac gaacagcaac aagcgcgtac agacggcgta cagacggctg 120
 acatagctaa cagagcgtag cagtgcctcc agctaataa actaaatggc ccctggaaag 180
 gaggtacata cctgaaatgg cgtgccgtta gagttgttaa aaggaaggga acatgatgga 240
 caattgaggg gagtgatacg gtgatatgcc gcgaacctac atcgacaaga aatgtcaaga 300
 attagattaa gtggcggtgg catggcggtg gataagtggg ggggtgtggtg taggaggtag 360
 aggggggttt aggttgggtg cccggccagg gacaaattgg ccacggatgc tacagcaacg 420
 ataccaggta tatttcaata agacgccggg gaggttgtag ccagcggggc ggggcgtgcc 480
 gcttaattta agatatgggc acagtaatta agagtggc 518

<210> 30303

<211> 572

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046b04d1

<400> 30303

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg ggtctttaga 60
 atatacaagg tgagatgaga gaaataacaa aaggataacc caaacaaggt agggaagacc 120
 ttgattatt gggttgttag agacgagcgg cgggaagggc cccacagcg gtatgtggtg 180
 cgtggtatta agcacttata agacttagac tggggaatag tccaggtgct gggggcaccc 240
 cgttaccata aaaataaaat atggcgcggc gaggcgaacg ccgccacggt tagtaagcaa 300
 cgtaggggaa aagcatcgct agcgtggcgc acgcacgacg catgagccgg gtaatggcgc 360
 gccattatg tcgatcgacg aaaggaaata acgccgccag acccgtttat taggggggac 420

gtataaaaat agccatagcc cttgacggac gacaccgcct ataacactta aatagtcagc 480
 cgcagatgaa taaacgtttt aagccgggca caggttcggt tagccgatga ttgcctcatt 540
 gaaggatatgg gtagttaggt gattgataga ga 572

<210> 30304
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046b11d1

<400> 30304

ctcaaaactct aaacatattt cttttatgca aatatatata atcagaagag caattacaag 60
 atgatagtag tttcacgata atgcaaataa taattatgga aatacttttg ttacataaaa 120
 atcacgagtt gataacaacg tgcttagaat taatggatgat gatagattg ttacgttatt 180
 aattattatg atcctgttat taatagcata cttattattc ttgatacgcg aaaggggaca 240
 cttgcacatc tattgtgcat tgaagagtag ttcttaggga acatagccac catggccacc 300
 accacttcca ccacctcctc caaaaccacc accatgtgct ccaccagc 348

<210> 30305
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046b12d1

<400> 30305

aaagtaaata tcattttattc aaacctaagg aaacgcagga acacaccatc acaaactcat 60
 gttaccctgc caataaacca tcacccttaa actccagcac cagcagcttg ctcaattcaa 120
 tacacaactc ccagaatttc ttatgttacc acgtggcaag cacgctgatg tggagccaag 180
 tgttgtgctt acacgtaggt gtaccctcca ttatacaacc aaagacttaa gcatcatata 240
 ataatatcta taaagccttc taccggaatc caaggaaaaa taccacagga ggctcttcta 300
 catggcatgc aaaatggtag acctgatccc cacaactagg accattttt 349

<210> 30306
 <211> 445

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046c11d1

<400> 30306

aagtaaaagc atggatttat atatattttt ttccacgttg agtacaagag attaaattac 60
 ctaaaagaaa atatcacaca ctgaaagaaa ggaaagtgtg tgaaaataact aaaggggtatt 120
 taccaatggc tcttgtcttg aaaagaacct ttaatctaca taataggatc aaagaaaagg 180
 ttgcaataaa agcacaagca attgccatta ttgacaatat ttttattatt cttataattt 240
 cctcttcatt ttgaactcat catgaagaag aaattaaatt gactcaaata gcgggggttg 300
 tcctgaatga tccaagagcc ttagcagcac ctgctctcaa gatgaattgg tggtagaagg 360
 ctgcaatggc tgctccaata aatgggtccaa cccaaaagat ccaatgggtca tcccaggcct 420
 tctgttggtt gtacatgaca gcagc 445

<210> 30307
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046c12d1

<400> 30307

gcaattacaa cttectcaag caacttgacc aaactaaatc acatgaaaca gaatgatacc 60
 aaacactagt tgaatgagta aacttacggg agagacaggt agaaagggga acaaactgta 120
 gttcgcatag caacataaaa ttgagtggca actatttact gcaatcagca aggcattctat 180
 ttcaccactc aacatgctgc aatcaagct acaaaaagaa ttaagcaaaa gttacactat 240
 ttaagaaaaa ttctcttcc agcatgcctt ttgcttttagc tggtagagaga tagcaaagca 300
 aacttcaatc tatctttact gatgagaaca agtagtgcac aaagtaaaat gacataagga 360
 agccaacggt tccagttgac aacatgattg caattgccat gagcagggaa tagccgagat 420
 aaagtatagc tgagacaggt cactcaaac tctgcaggtc gaaaaccaag tagttaatgg 480
 agtacaggaa gacataaaga gcatcagag 509

<210> 30308
 <211> 449

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046d11d1

<400> 30308

agttgacaaa ccagtagagt atttatctgc ttttcacata ctatcataca gtacattcca 60
 caactataag tggcattctt tcacactact acacatgaca catctataat catatgtaac 120
 atacaagacc atataacagt ctatttcccc ccacaagtat tattactcaa gtgattacaa 180
 atcacttggtg aagtcttgag cacatgatca aggtattcca atgatgggga agaaaggaac 240
 ataatagcta cttggtgccca atccccactc tggaggcaga gggagatcca cagttttgga 300
 tgaaccaacc tttttcccag ccttgcatth tgtgtttagg gggcatgatg tcctgaaact 360
 aaggggagtg gagatggtgt aactgthttg ctctttgccc ttaataattt gggataccct 420
 ggttttccct tgagacataa agctgaact 449

<210> 30309
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046d12d1

<400> 30309

caggaaaaat acagaagttt gaataaacia attttgagtc tacatttcca atttttgcat 60
 aaacaccttg accttgctta cataataatc cataataaat taatttttagc ttcccatatt 120
 tatccactcc atacaaatgc aaccacgttc atggagttgg tcagttgggt agggagagaa 180
 ccataaaaaa cgtgagattg aatcatgtta aacttgggtg tataggctgt cctttattta 240
 actcagccca ttactaaagc ttggtacagc aattcaaata ttatatcacc cttgttaaac 300
 aagattaatt tatttcgatt atgggaagct agaagagaat attttttgaa aagacacatc 360
 acaaacaagg gaggcctcag ggggaaccaa tccccttttt aatgagcata tcatacaccc 420
 tgtcaatttt catggcatcc atcttgaaca attgatgagc 460

<210> 30310
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046e04d1

<400> 30310

agttttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gcaaaagaag 60
 ccgggtatcc gggtaagggc taggtagggg ctagatagta aagtcattgtt gtttaagttta 120
 atgtgtgtat gcgaacacgc gaggatacag aaacaaagaa aaagagtaac gattagaggc 180
 tgctatgaat attagggcag agtatggaaa agtaggagag gttgagcatc acggcgaaat 240
 aaagcttatt aaaatatattt acgatacaaa ttgggttaac gagcgtcgag caaggccaga 300
 cgaagcgaca gcaacggaaa caatgcataa tggttcagcag taaggcaggg gttagaacgt 360
 agcacaagta aaacccgatg aaaaaccacg gcgaaaagca agataaaaaat tgggggttgg 420
 gttaggggtt gggcaagaaa agcaggagca taagggtgaga ttagtacaag gtacacggac 480
 cgtgttagag cacacgaggg gtggga 506

<210> 30311

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046e05d1

<400> 30311

agttttccgt catcactgta tgacgtcctc cttctttggg gggggggggg ggattaaata 60
 ggctagaaga gaggcagcgg agtagtggag ataaggaccc gtgtaaacag gaagaacgtg 120
 gagtgaatgg ctcgattaaa aaccttgttg aactaatttg attatgttaa gatggggtaa 180
 cttgataagc ggcaatcgc gcagaaaaag tgtatgtgat tggaattgca gggcgcatc 240
 aacgtgggca gcgtaaactg agtattcgta cagcgtgggc gaacgatatt tgggtgtagca 300
 gcagttttca gaggacagga cttaccacga atagtaaaag tgcccgggta tatacaaagg 360
 t 361

<210> 30312

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046e11d1

<400> 30312

agacaatgac attgcagctc tataatatcc ggaaaactcg aatccctcgt gttgtcatac 60
 gtaaaattgt atcaaaacaa ctctgatgaa ttgttctgct agcattaaca taattgatga 120
 caattccata ctaaataaaa aattatataa taccattccc ataacaaatc gttaccgcaa 180
 ctttatccat ttatatgtct gcagcaagaa agttaccgga cagtgcacc ttctcgccca 240
 atttgaaggc aggcagtccc ttgtaagggc aggtactgca cctgaaagca tcccctagcc 300
 cacaattgcc acaagctgat tgaggattat caatctgttc tgttgtcaat cctaacttca 360
 atactttttc ctctttttca gccctcccac aggtgcaatt ttgacaggct tttcttgtgc 420
 tccaatttc acaatcacca ggtggaagct ggggtttctt taaatcttcc tcagtcaaaa 480
 gactatcttc atcaatcaga tctgaatcaa aatca 515

<210> 30313

<211> 587

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400046f02d1

<400> 30313

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg ggcaacaatt 60
 tttagggggg cgtgcagaat ataaaatagg gataaaggta atgacgaacc cagaacatca 120
 tgaaaagcct atgtaaatct aaaccggcga gaaagtataa agtagaagaa aatatatgcc 180
 aataactaaa ctggcgtaaa accgctaaga caaggggagc ttataatggc caaaaggcac 240
 acgggcgcca ttagaatgat ttaacggcat tagtttataa atgacnagag gggtagagc 300
 acgaatgaac gtggtaccg cgtgcgtgtt tattacaacg ttgatgaggg gagagaagta 360
 ggggacggcc tatcgtgggg caatatagta acatttagtg tacgaccagt acgggtggct 420
 aatgtgatgg caaggtagt tactgtttgt ggcaagtgcg tgggccagtg gctagaaagt 480
 agtggctgtt gtatttggca gcgcngtacc cgattatgta aggaaaaaaa ggtgctgggg 540
 acccataggt ttggacgtac agatgaaaag agaaatctag aatctat 587

<210> 30314

<211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f03d1

<400> 30314

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gggcagaagg 60
 agagagtact gttataaagg cagaataaat acgacgaata ggaagcccat aagacacggt 120
 aatataaatt aaatggaggg gtaaaccgta ggatacattt aggatatagt atagggtggt 180
 ggaaaagcgg gcccaaaagt taatagtcaa tagtatatac aaagtactgt tactggaaaa 240
 ttttttatca catctaatat taaagcgtag acggcatggt ggtgccagcg cgacgtagca 300
 cccgttggtt agttgtgaat gcgggcttag taaaaagaag ttgtggtgcc gttcgcccca 360
 ggttggttgg cgttgccagt ggtcttggtg tagcggtaag cgcgcgctca atgtgttatt 420
 gcacccgaag acgtggattt cgaacccgtg gcatcaacag tgctagatta tt 472

<210> 30315
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400046f04d1

<400> 30315

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gggcagcaaa 60
 gttcagacg ctagcttacg cgaccacaat tgggaataga atgtcaagat aggagataat 120
 ctaagatgga aaaagaaaaa aagaacctac ttgtgtatgt tgtgcgatag agataaagg 180
 atttggaggg gaaaagacgc gccgagcgac gtctcaatgt atgttaagcg ctgcggtggc 240
 gttaccaggg agtagcaacg cgtaaagcag cggcgcgctg gctaactcag aagcgaggcg 300
 tgacttttct ggtagcttgg tggtagggcc aatagcatga aagccaagg 360
 gtaaaattta gtaacccnc gttgggttagt aaantgcaga gcacaagtaa agcagtaaag 420
 gcgtaggtga caggcgctac tatagtgtg gtggggaaat gagtggtcac ggctaaaagg 480
 t 481

<210> 30316
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f05a1

<400> 30316

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaagg 79

<210> 30317
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f12d1

<400> 30317

aaaatcagat aaaccgccct tgtatatgac acttaattac attaacgagt ttgggtacta 60
 aggatgcgag taaaactatg tacaaggtag gattgttgaa aaatgcaagg ccgatacacc 120
 ccctatcacc ttgcacaagg gacaataaca tactactata ttaggagtgt ataacagggg 180
 aggcatatat atatactact actactacta ctaattccac gacacgggcc aaaattggat 240
 ggatactcat tcatgccatc catattcaga ttccaaacac aagcagtcac ttgataaagc 300
 agtcagattc agaattagaa ttttcttcat caggctcatat tctccaactg gatggcttta 360
 tgacagtcac ctactttcca ctccagtcgc gaatctggaa gctatggaaa tcaaactctac 420
 aaattatcag gtatctgaag ctgaattatt gagctgacac ttgatt 466

<210> 30318
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g02d1

<400> 30318

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggagg gggggggagac 60
 caatataacc tgtataaacc tgcaggaagg aatagccaaa atgataggcc cacgggatct 120
 aatgaaccg agatacgccg tattaatccg taatatggaa gaaataatat aaacgcacag 180

actcttaagc aggtgataat tatgattaaa aaggaaggta aatatgccta ctactacaga 240
 acgggggtacg aggtgacaat atataacacg agttagggat actagctgga gcgcacacaa 300
 cctaattgat cgaacaaagg tattccacta cgtcatattg cgtgttcaag taccacacat 360
 tgtagtaacg aaaagttacg tacaacaaga cgtacggcca acccgcgcat agataaatg 420
 agagtactta taacgtacaa gattagcaat agcatccacg tatcaccagt atcttaagg 480
 ataacactgg ccagttgtgt gttgcacgac tgaaagtgt gataaatg 529

<210> 30319
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g11d1

<400> 30319

cagagcgaaa gtaatttata ctattcgatt tgcatttctt gggtgccaat tgccgtgctt 60
 tacaatatct aaacatttct cacaccctt agactacaga aaaaaataaa attacacaac 120
 tttactcatt gccttgcttc tttctattca gactcagagt ccatgtggcc cattgcttta 180
 aaccctctgg gtcttttttt ttctctacc tttatggata tcttcttctc cctaacttca 240
 tatggttcca gagtaagatc gcacaggcat gttcctggac taacgagata gagggttcgc 300
 tgtatgaata tggctctctt tttgggcctc tgtggaagct ttgaaccctt caacagcaga 360
 aaatcttctt ccttctcctt gatgggtcaag gcaatcacga actttggggg gcacaccggc 420
 ggagccactg caccactgcc ggacggtgag ccaccaccc 459

<210> 30320
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g12d1

<400> 30320

ggcataattc acatgctaca ttccatcgaa gccgctccat taatgtaaaa tatagattac 60
 agcagaagca acatccggtg agttaccgac atattttcat acaactctta caactacaga 120
 acaaaactcg ctaaggcgta aatgacaagg aaaaaaatt gaatgattca aagtcactta 180

tagttacatc ccccaaaagt tctcaatagc agatcagaat aatcaatgta ccactatga 240
 aaatccaata agaataacac agggcaacag taaattcaat actacattca tcagtttagac 300
 cagacatgaa ctagcccaag cctgttgctt gtatagattt cattgcgctc ttcacatag 360
 aagagagcag taatgtcttc caaagcttct gcaactgtgc tcctcatctt ggagccatgt 420
 tttctcttct ttgaattaca acaatagcta cgagaagggt tgctactgca actgcaattg 480
 ttatccactg gaaagct 497

<210> 30321
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046h02a1

<400> 30321

cctcggggaa ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgtttct ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aatgagatc 240
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcggaattc ctcgggggta ccgagctcga att 393

<210> 30322
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046h12d1

<400> 30322

ggaaggaaac aaaatttaac tcatatattt tttctcctaa gacatattat cacttttaca 60
 taattaccat tactccaagt ccaggccatg agcttgaatt tattttcaca ctctatagtt 120
 agaaattttg gggaaaggaa ctaagccaag tttgtttaag ctgcaacttg gtccatgttt 180
 cagtttcttc aattctgcaa tgatcaaaac ttcacaaaaa cttctatata tatatattgg 240

gtcaatcatc atgcatggct acaccttgct atctgcttct gttacatggt cggacaattt 300
 ctctgacaga aggggttggt ccaaacttat cctactactt atatcatgat catcttgtaa 360
 gtttgatgat tgtgggtgccg cctctgggtt aatctcagca aactctttgg ctttacccca 420
 aagcacaata tataaaccag caataactcc aacaggacct accaa 465

<210> 30323
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047a01d1

<400> 30323

ccagaaaaaa aaagatagtt aaaaataaaa taaatactga agtaaaaaat gtaaattgta 60
 aaattatttt acccacaata catgaaaatt aaactcctga atatatacat tgcacaaact 120
 acacagatgt tcatttatgt taacaagata gaatataaat agacttgaag cagacaagat 180
 tcatggcttc cacaacttca ttgtgcagtc ttcactaaaa gttgcaacaa gattcctatg 240
 gggatgatga gtgacaccta taactttctt ctctgtggacc ttcattagat gctccaattt 300
 gccagataga tagctgaagc agtatatatt cctatcttca ccaacacagg aaatccattc 360
 tccttttaggt gaaacacatg ctgcaacaaa gtttccgcct tttcttttac cagatgagaa 420
 gctcttcaca acctgtcctt tgagtgtcat gatatatatg gatgac 466

<210> 30324
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047a03d1

<400> 30324

agacaaaacc tgggtggcaca ttgaattagt atctccatta cagttatggg cgttgcatcc 60
 aaaccaata gaaagctcag agtattacac atcccaaaaa gtaaaatcct actacagttt 120
 agcaccgaga tgtcctaaac cacattacat gaacacaaat tcgagttgtc ttggaagagg 180
 accaagaaat aaaagctaga taatgttcaa ccctgcatcc agaaatacca atccgcaaga 240
 ctcccgcttc ccaaaggcat taagccttat tggcaatggt gttggaaagc cagtccagac 300

cttcgtaaag gccctcccca gaggttgac aggtgctctg aatgtaccag tgacgctgtc 360
 tcagagagtg gagaccaac ttgtcagtaa tctcagcagc attcattgca ttaagaagat 420
 cttgtttggt tgcaaacaca agcaatac 448

<210> 30325
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400047a05d1
 <400> 30325

ataaaacaat ctgatatcat ttccattatt cttttttttc tgacacaaat tcaatacatc 60
 tgaaaccact ataagatgtg ttagcgagga gctaactc atccacagat ttattaaacc 120
 actacaagat gtgttagtga ggagctaaca ctcattcata taaattaaac cactataaga 180
 tatgtgttag cgaggagcta acacacattc acaaatttat tctcactgat aggaaggcaa 240
 gaaaacctta taatttggca ctgatcttcc ttgttggca actaggcatt gaccaacatt 300
 tggtagtgcc attgtcctac aactttaatt ttacaagtct tcttcacacc aactttgtat 360
 tctccttttt tgttttctat gcccaatgca atgcactcta gaataaaata tatcactgac 420
 tggaacagaa gcctaagaat cccatgaact catgggtgtt tatcattnga atgctgttct 480
 caatgccac cacacccatg gtgagggcgc taagcaaat ga 522

<210> 30326
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400047a06d1
 <400> 30326

aagcaaaacc ctcaagccaa aactccttca atagcgtgat attagaaaat atacaaaatg 60
 gcatatgatc acaataacca ggtataggca tgagtataag caaaataaac gagaataaat 120
 cttgaagttc ctgcccccaa tacttttcaa agcaaagtga taggatacca tactgcaaaa 180
 gataactacc tcaacaactg gtctatagat ggggtttata tgaactaagt aaatctagta 240

gtcttcatca ctgtattctt cttcatcatc gtcgtcatct tcatcttcca tattagaatg 300
catcatcatt gataacaagg cagcctccat aggattgaaa tcttcatcac cgaaatcttc 360
gggacaaaaa tcatccacac cagaagccag cacttctgac aatgcagcca tctgaaaaat 420
atccaagtcc tcctcatcag aatcaaaagg acctaaacaa ggacctgaat caccagc 477

<210> 30327
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047b01d1

<400> 30327

attattatta ttattattat tatataggaa aggagggtga caaattacag taatggccca 60
tgcccatgc cccatttacg gaaccagcac ctaacattaa caatcccacc cgtttttatg 120
atacacattc attattaata ttattcctta tcaccatcat atggtagtga ttacaatttc 180
tcgacagact caaaccacaga agaagaagaa gaagaaatcc tcatcaaate tcagagatga 240
agcatctcaa tcaatactgc aatatgtctg cagaagccat aataggctgg ttcagatacc 300
ccatattcaa cgggttgaag ttgaagaagc tattattatt attattcatt ggctcaacga 360
aggtgctcga tgctgctgct ccaaaacccg ccacagtggg ggtggcattc aacacgtcaa 420
cgatctcgtt cagagactcc aacctgtgac tcaactcacc cacctgagcc ctaagcaccg 480
agttctcagc ctcaacgctt aagtact 507

<210> 30328
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047b02d1

<400> 30328

gggacaaaaa atcatttgat atttcacaca ttcataacaa acgtaggggg gatattaaag 60
aactattatt aatgggacac tattgagttc aacacaaacc gaacttattt ttaagggaca 120
ttttccaga ccataaaac atcaaagttc tttaaagtgt ttgggaacac atccaaaatt 180
ccccaccggg cttaaaaccc cccccgg 207

<210> 30329
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047b04d1

<400> 30329

aaataataaa aactatcaaa ttctgatttt tattcatatc tcaaagccaa agaggtgaaa 60
 tctagtgtgc agtggcaagt acataaactg gtttaacatt attacaacgg ttttaagcttg 120
 caaattaaac atcattacat cgtttttctc aatttgcaaa ttccagatta aaaaaaagaa 180
 gtggttgatg gtcagcttac aaagagtggg tctgggtcca cttttcgtct gatccaattt 240
 tctggtgccc atttgagcc aactgtatcc accacatgca agctgtaggc atgtcttgat 300
 ttttgagact ggttttcaaa gctttggtgt ataagatccc catggatgac aaccaatgac 360
 ccagctttta cttcaatagg aacaaaatcc ttttgatcat aagatgggtga tggttgatcg 420
 aatttgacac catctttatc tcttaagaac cttctaacta gcccattttt atgagatcca 480
 ggaattgccc aaaggcaacc atttaatatg tttgca 516

<210> 30330
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047b07d1

<400> 30330

gagggtgaca aaatcattga ctttagattc tcaaggatga aatgaagaca ctttatcttt 60
 aaaatcacac gtgagatcct ctatacagaa aaaagaacag ccacttgctc aaaagttaca 120
 attaggcatg cctgggtata ttctgtattc ctaatcttgc gaacagatag catgcaaact 180
 ggataaaaga gcaaaacgga acacttggga aatatgatca ctcacatttt ccagcaaggg 240
 aatagtcccc cacagggaaa ataacaggct gaccaa 276

<210> 30331
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047c01d1

<400> 30331

aatatcaaaa tatgcaacta ctagattatt gaaatttaaat atatacaaaa aagttattga 60
aagtaataac tcaaacaaga attgctccta ttcccaccct atacatatat ataagatgaa 120
agcagtacca ccagagtgag aacatcctac cattctttga caatgtaaca aaagtcttac 180
aatctattcg aaaaatcata tcgccagctg ttttcgcttg tagtatccag ctatcacttt 240
aaaacattct aattgataaa actataaaca gagaatattt cctttaattt cctgtatgct 300
gcaacgcagg ggactgagta aaaaatggaa taaaccaga aaactcggaa aacgaaacaa 360
tcaaaatata gccataagct cgggttgcta tcatatcaaa ctcatgactt tgtaaccttg 420
cttctcaaac actacgcagt atatttgaac tcccacgttg atgtcttatt caatggga 478

<210> 30332

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c03d1

<400> 30332

attgtagaaa atctcccata caaatccaat atactcacct cttacaatga gaataagaaa 60
taataaaaac atgtgtattt ttatattatg aaagttaata catgttatga ttggaagacg 120
acttttcacc aatggatcgt acaacactag tctaacagct aaaaaatccc tccagcttat 180
ttcagatgca tgatttccca atttgaagca tggcaaagtt cttatagtca gacaaaactt 240
cctcactttg tgtagaagaa catcttccca tgggtgacgg taaagtgggt gcttcaatcg 300
cttttggtca aaagtgtgcc caatcaaacc attgcagggt gccagcccaa aaaagccttt 360
aaaatagcca atcttcacat tttcttaatt ttttggttgg tggacaagtc acttgccacc 420
aaaaagatcc aggaaaagag atgc 444

<210> 30333

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c06d1

<400> 30333

gaaataaaaa gacgattata tatgatagca gtcagctaga atgataagaa ttgcacatat 60
 agcgaagctc gaaaacacaa gcagcatcca aattacaaca cataagcata aaagcgaatg 120
 caaaagaagg atttggataa aaagtaggcg taggagagag tgaaattgag gtgtaactct 180
 ggaatctagg cctggggctg ggactcgaag ggaatggaaa gctcatcggg ctgggggctcg 240
 ggctgtttgg aggacctctt gggaacgggg agtgcgagaa aggccttggt cttgctgatg 300
 ggctgtgtct tctggagctg gacgatgtcg ccgacattga attggttatc gggatcgtgg 360
 gcctgggtact tcttcttctt cctcacgcgc ctcttggtact ttgggtgagg ggccagccgc 420
 accaccttca ctggcaccgt cttgtcgttc gtggagcaca ccactttt 468

<210> 30334

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c12d1

<400> 30334

atatatacct atcatatgta tgtatctatg actctaaaaa aaaggtaacc attaccttaa 60
 cctagaactt gcaagtgcgg aacacttgaa ccagtttaat ggcaagatgt tggccccgat 120
 actataaggg tgattgcttc aacacaaaaa ctccgatgc ttcaagttac gtacctcctt 180
 attgtgaaga tcagtaacta caaaggcat ttatgattat agctataggc ctttaacgcc 240
 tgaaattcta gcgcattggg agcttggttc gataggcca gatttgca 288

<210> 30335

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047d01d1

<400> 30335

aacaatcaca agggaaatcc ctacatttta tctaaacttg ataattcagt attacttgca 60
 aattcacaca gccaatcaa ccaaaaaaaaa aaaaaaaact ctgaactac ataattgtct 120
 attgatgaca aagatatctg actaactaaa aaagataata aggtcatata cacgaattta 180

tagaaagccg attctcaaaa atgtgaacaa tcacctgctc ctattattct ttctctggag 240
 ccttgtaaaa aatgtcaatg ctgtatgaga agaaaaagtg aacatatgta aagaaagcag 300
 tgaccaacat tcaacacccat tttagttaga tagagtaatt tcatgcagtc cagctccggg 360
 aggcagaatt ctaaattccc gaagttgcag tgtaatcaaa tgaataaaat gccttgagtt 420
 aaactacttc caccaatgag ctcatcacc tatagctcat gcatccaccg tgggataaaa 480
 acctgacatg aatggccttc cacttcattg gaatctgcat tgcattgca 528

<210> 30336
 <211> 361
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047d02d1

<400> 30336

aacaatcaca agggaaatcc ctacatttta tctaaacttg ataattcagt attacttgca 60
 aattcacaca gccaatcaaa ccaaaaaaaaaa aaaaaaaact ctcgcactac ccaatcgttt 120
 attgatgaca aagatatctg gctaactaaa aaagataata aggccatata cactaattta 180
 tagagggccg attctcaaaa atgtgaacaa tcacctgctc ctattattct ttgtctggag 240
 ccttgtaaaa gatgtccatg ctgtatgaga agaaaaagtg aacatatgta aagaaagccg 300
 ttgccaacat tcaacacccat tttagttaga tagagcatat ttatgccttt cagcttcggg 360
 a 361

<210> 30337
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047d04d1

<400> 30337

ggttgggggtt tggtttgttt tttaacaacaa atttcaacat gaaaaatgaa acaacaggag 60
 ctgcgccgagg cgccagcacc ggtagagaga aaaaaaaaaa acaatggccc ggaacaaaca 120
 taagggggggg gaaggaccaa cacaaaaaaaaa gggggggggg gaaaaaaaaa aaaaaaaca 180
 ggcgggggcac aaccacaacc aaaacaaaga agctcgacgc aggggcctcc caggcatggc 240

ccacacccac

250

<210> 30338
<211> 464
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047d06d1

<400> 30338

gtacaatggt tatagttggt ttacatgtaa ttctttacag cgccacacca aggaacaaaa 60
tgtccacatg atatataaag gttgaaaggt agttgagttc tggcaacggt acgaatatgt 120
gaaataacat ataatacatt cagtggaaact tgagactggt caagatgttg ttgggcacgg 180
ggtcagccaa atgatctagg aggttttggt atgggccaac acctgtgaca agagcttgaa 240
cagagtaacc caagattgcc agcatagcca accttgcatt cttcactttc ttgagcttca 300
aatcctataa ggactttctca tccttacgaa agcctagtgg gttgaagaaa ggctcctctg 360
tataagctgt ctcaccagat cctggaagac ctttttctag acctatgaag tattgattgc 420
ccatagagcc tgcccaggcc cacacttgga atcttgtgtg ctct 464

<210> 30339
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047e01d1

<400> 30339

atcaattgat ttctttatac gctcataccg gggttaacaa agaacaaacc aagaaaagaa 60
taactgaatc aatgaggctg attttcttat ttcacctcgt atgaccagtt tgcaaaccgc 120
agtgtggaga attatatcaa ataatgagag aacagaagaa acttaaagtt ctttgcagaa 180
ctacaccatt caaagttgct gcaacttatg aatatgttcc aataatgaag tagccttccg 240
tttggccctc tctgtgccat ttcgagcaag ttcagagaga ggtatgagag caccaagtct 300
acttatacaa gcaagattat ctgcatccct cttgcacaag gcaagtagaa tagcagctgc 360
attctcttta ttgcgaggca atccggtcct caaaagatct atcaaaactg gtatagtgtc 420
ggcttttact atggcaactt ttgcctcttg gtggcttgca agaactgaca ttatcgtag 480

002250"ETTES6

ggcttcatca accatcgatt tgcttgaatc tgtaagcatc tttcacaatg ctgtgatgat 540
acctgcccta atggccctgc ccttggtccc ttgataaatg cata 584

<210> 30340
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047e02d1

<400> 30340

agaattcaac atcattctgt gattcaataa aattagttta cgaacccttg taaacaaagt 60
actcatctta gtatgcaaca attttgatct ctaaggaaact tattttgttt tgtaaattat 120
tcttccaaga atcctatata taattttaca attgagtttc acccctctgt agtatctata 180
tatcccccaa ataataaaga aattctaaaa aactagctg aatatataac caagggatga 240
agaaaaggat caatttgat ggggccttca ccttcatttg gtgagagctg catataggag 300
ctggttccaa gtgtccggtat atcctggtag gcaccagtgg ctgcagtcac tgccctgcatg 360
gtccccacta taagcagaag ggtgagcatc cttccttaat tgtgagagga gtgttatatc 420
aagtagataa actggagtac tcattcttct taacacattg ttcaatatgg tagttgctgg 480
aggtagacct gctggatatg ttgatccaga caatggttga agctc 525

<210> 30341
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047e04d1

<400> 30341

gattctggaa cagcaccccc gtcttttttt aacttagcaa caaggacca catatttgct 60
aaatcgttct ccaaggcttc ttctcttctc ttggcctctt cagttttttt ccggtactgt 120
tcttccacaa attccttctc ggctaataca gcttccagag ctgcctctcg ttgtttccta 180
gcctgtagtt ctatctttaa atcatcagca tcaagactcc ttgactcaaa atcatctaca 240
ccagttcctg aaatttcatt agcacggcta gaaatcctcc ccttccttcc agctcttgga 300
tcattgtact tgcggttgac accattaacc gtttgcacaa cagcactacg agagttgacc 360

aagtctcgcg cgcccatcaa ttctttttcc aacttttgc tctgcaatga aagttttgtc 420
actttcccc 429

<210> 30342
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047e06d1

<400> 30342

agtaaaatat tagtactaga tctatctatt ctaggagaat tattgttgaa gaaaaaagaa 60
gacagcacia tcttgctagg ctaacatata gtatatatac taagtccaaa acaagacaac 120
acatatatga agacacatgg gtgtctaaag agtgcac 158

<210> 30343
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047f02d1

<400> 30343

aaaggtgaaa tttatcaaaa taagctcatg ataaactcta acttaacaag cgcctaatta 60
aattgttttg cccaagccct cctaacagct aactcaggaa tcagttgaca tctcaaattc 120
actaactatc cacaaggaat taaacatcaa gccatgaaaa acaagaaaga aatttgtgat 180
aaacagtgat ttcatacctc caccaccact catgatcctc agcagcaagc tggaagtatg 240
tcaatgccac agtgatgaaa gcagtaacaa tcaagagaat gatgaagaca atgaacagga 300
tgctgtagat ggtgtaaatt ctgtggcccc aaacactggc aaatatatag taaagttcaa 360
tgtatatagc actgaaaggc aaaaatcctg ccatcgccat ctgaggaatt gttccacgat 420
accaaggcag aggtggaatc tcccttgat atttagttgt ccgaacagga gcttgaaatt 480
cagccttgct attcttccca gcaatccctc ccaatac 517

<210> 30344
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047f03d1

<400> 30344

ggtattgaag gagatgcttt tgatgattaa actgagcaat gaagatgaga ccgctcaatc 60
 tttcactaat aactgcaaga gtaaattaaa actctcgcaa aacattgata tcgttacaac 120
 cactgatcca agtgaccctt attttagaat acagttacac gcacaagtgc acaacacaag 180
 accataggta aaaacataaa tggcatgaac aatgagtcaa agcaatggca gaacaataat 240
 attaacgcca ccaccacttg taacagtgc ctcagttcct ctgcagtagc agagaaatta 300
 gacatagccc ctgctcttca aactctccac tgcacacctg atgatttgct caacaggagt 360
 gaattctaga cctaaatcaa tcagcttctt tgatgcatcc tttccacttg ctctcaacaa 420
 ccttggttgg gtatcctttg gcaacttagc cacatcgat tcagggtata actcagcaac 480
 cttgtccaca agatcactaa a 501

<210> 30345

<211> 401

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f04d1

<400> 30345

caatattagt tgggctactt ttataatatt tatgcaagaa aagttaatga cacaagtttt 60
 acatatcaaa ttaataaaaa ataagattca aaagtgtgac ccataaccga caaatcaatg 120
 tttggaaatg accataaaaag acataaaact aaattgattt ttttaaaaga taaaaaataa 180
 acaaaatata aacacaaaag actaaaagtg catttttgtc attataaaac aatactgtac 240
 atagtatata ggatataatt gccttcgaac tcgagaaaaa gttcaatagg ggaaaaatgt 300
 acatttgaaa cactgtattg gtggctatag tattttgtcca ctttgaaaaa tccatgacct 360
 tgaaagtatg gaaacatctt aacatgtgtg gtctttttct t 401

<210> 30346

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f05d1

<400> 30346

gatcatcaac aaagacacat gtattccaat caatcaatta caatacaaaa gataaaagta 60
 aaaccgtgtc tgtggcgcga aagtaaaaaa aaaaaataa taatggaaaa actgtctgca 120
 aagccagtgt caagtgtcac ccttgagcaa cgacagacca catgtatata acaccctttt 180
 tttccttttt cttcattttg gggtaacact tccatcaatt ccactatcct ctacaccctt 240
 ttttcttata ctctttgagc agtgcagtgc aaaaccaa atgggaaacg aacaaagaat 300
 gaatagcaca agatgagtag aacctagtaa acttcaccag ccatattgct agaggggatt 360
 ctttgctgtt tctccacata tgcagaagga aaccatcctg ctttgccatt gcattcgcct 420
 tctgaccata ctgattggct cacctttcgc acaacaaca aatcaccctt agaaaagctc 480
 agttccttt 489

<210> 30347

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f06d1

<400> 30347

aatatcgcaa tcgctgaaca atgttattta acaaaaggat cgaccacaaa taaaaacaac 60
 ccaactccaa tcatcatcac cacgtccagc aaaatacatt caaaagctat ctaaaaattt 120
 gaggaaccca cagtggcgcga ttagaaacca tgaccataga atttatgaga gaaatattat 180
 gggcaccgtg cctctccaac aatccccaaa acgttgctta ggcttcagca aaccaagct 240
 cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcattctcg tccgatgcat 300
 attctcaaca agagggcgga acacagggtc agacaaaagt gccttgctcag aaggtagctg 360
 aaggaggcct tttttctcac cactcaaca ctccttgaag tatgag 406

<210> 30348

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047g02d1

<400> 30348

gtatgtcact ctagaacatc attatttctc aatttatata gctctttaac cataattccc 60
 tggatacaac atgtatacta gtgtatacac catattcaaa gatagctaataa aaataacttga 120
 ctgtataatt aatatcacac aaacgtaaag tggcaatata tagtgtaaata atatataagc 180
 ttaatttata cacagaaacc atgagtataa agcatcttta tacaaaatat tcaacaagaa 240
 tttactttat taccacatca ttatagtaaa atgtcatgat aaagtgggtga aattctattg 300
 aatgcttggtg tcaagatggt tttataggat caaagtgtgt atataaatta aactatattt 360
 tttaatcaat atatatatat tgttcacaca ttttatatat atatataaga ggtgcttaac 420
 aagttggata ggcaatacca caagaactaa cgggtttttt ggcattagga gagttaacat 480
 actgcttcaa gctagggttt tgggtagcca cagaagcatg 520

<210> 30349
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400047g03d1
 <400> 30349

acagaaatgt ttggcattct ttattacatg gccctcataa ttgtctaaac tgatttttaa 60
 cttgtaaatc acagtaagtc ggtgcatata gagcaaataa aagtgtttat aaccgtataa 120
 cgattatata atattacaaa atgatttgat aagccactca taccagaaat gagattcata 180
 taattctgct catgtaagtt atcactcatt tcaaatccag atgaatagca cttagcacgt 240
 ccatgaactg aaaagggaaac attttgtcca agctattatg agagtgccca atattacagg 300
 tgatatttca tttaaattat ttctgtaacg tgtggaagtt tataaacctg gaggatgcac 360
 tagctataat ttcatctgcc cagaaagtcc tttaaatgaa ccataaagag cctgtgatct 420
 tctaaaagta aagatattgt ctatttttagc caagtgtggt tctgaggctt ccgtttgtat 480
 tcagatgaat gacggttccc atgtactcgt acacttaaag ttt 523

<210> 30350
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400047g04d1

<400> 30350

ataacatgaa ctgttcattt acaaaattaa cttcacatgg aaaaccagat acagcataat 60
 tcaagtcaat atacaattat acatccacca acataatatt agcgtgtttg gattaacagt 120
 gagtaccxaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gtagagcttg gattctaggc gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tggcagagaa gctgaaggaa tgaggtgcag gggttcatca gattccttcc ccaacacacc 420
 c 421

<210> 30351

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047g05d1

<400> 30351

accaaacaac aacattacca atatttatgt acggatatatt aatcatacat cttacaacaa 60
 tcacctcett agaattttcta aagagagcat cttaagaact ggagtctatg gccatatattt 120
 agaacttcca taaatatatg agccaaatcc ccaaaagggtg atcactaggg agaggatctt 180
 gaaaccactc atagggtcct ttagcagtat aacagctgca atgcttggtg tgggtgttct 240
 tactgcatta agcacacctg ctagcacagt agagcccaag aaaattacag cagtgtcccc 300
 cagaaccccc agctgaaaag tgattgcacc ccaaatgata acaagataat aagcacttct 360
 accacctttg aaagtggtag cctcatgtgc catcccttgg aaatcaccac tcataatcat 420
 ccctacagtg gtaaacagaa atgcaaacag agaaaccatg acttgctgct ccagaacaac 480
 gatgaaggat cttctttttca gcaacttcac atagacaaag ctcgagaga 529

<210> 30352

<211> 372

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h02d1

<400> 30352

aaaaccaacc aaccttttttg ggggggattt tggaaccaac caaatTTTaa tttcccaaaa 60
 aattttccgg aaaaaaattt tttttttggg gaaacttttg ggaaaccctt atcacagggg 120
 gggagttttg gggggtgcc aaaaataaaaa aaaaattttg gatttcccg gttttcccca 180
 ccccggggga aaatttgGCC tggaccaag gggggggggg gggaaacaaa ttttttttac 240
 ccaagagggt cagcggggg gtaaaaaaga aactggata tggggggggg ggggataaag 300
 ggggattgga tgcctttccc cagatttttt gaaaaccaac tggttgaaaa aagcccattg 360
 gaattccctt tt 372

<210> 30353

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h03d1

<400> 30353

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 tcaagtcaat atacaattat acatccacca acataatatt agcgtgtttg gattaacagt 120
 gagtacccaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gtagagcttg gattctaggc gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tgtcagagaa gctgaaggaa tgaggtgcag gggttcatca gattccttcc ccaacacacc 420
 catcagtaga caattaaggg aagtttgagt ggctaacttt tcaatgtttc ctgcaccaat 480
 ctctacatt tttcttctgt gctcaaagta tccaacatac tcagagcaga tatg 534

<210> 30354

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h04d1

<400> 30354

gaaagaacta attaataaat atacaatgta taaatttttaa attgaataat aatacaaaata 60
aacaattttct cttgagaaaa tctcgatggt tggcgcttta tttttttttc gattattata 120
attatatttc cagcaccgaa aaaggaactg caattattat tcaagttggt tgttgcaaca 180
ttgattgctg ttgcgcaaaa gactcggtccg aaacaacaat agcgtccgca tcccaccaag 240
tatccgcgtc agattccggt acgctctcta acggcgtgct gacctttctc atatccccga 300
ccgtcacgcc gtaacgcccc tcatctctga cgtagacctt ctggacgcca ccagattcca 360
cgcgaggggt ctttccccac gtgggacccc actccgccac caccgtgggc ttccgcccgc 420
gcagccgctg gtcccagatc tccagcgcca gattcccga cgcgcttcc cccgcccaga 480
caaccaccga ggg 493

<210> 30355
<211> 537
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400047h07d1
<400> 30355

ccaaattaat tatttcatct gaattcattt gtaaaagcta aacttgctcc agaaactaca 60
agaggacaac cattttgtgc attaaaatca cattatatta aatcaaatta gatcagatct 120
acaacccaaa atattataaa aatgacaata aattaagaac aaatccaaga aactaaatca 180
agggaaatat tttagcctgg gggcaagcac tatcaattaa tctgtgtatg tgctattgag 240
agctttatgt tgacaaatct gccacattga ttgcgtgctt atggttttgg gattcaacgt 300
cgatggttaa gccattttca aggtgatgct gctcctttac cagtgaagca tactccactt 360
tttcaatacc atatcttgtg acatgaacca agtagaaaga catcacgaaa atgggtgacta 420
aatcaatag ccagctgaat agaatgtcac caaggattag cacgatgaag ggcattatat 480
cattgatgtg acatatattc acgaagtgat gaccaacttt ggctgaaccc tgagtca 537

<210> 30356
<211> 486
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400048f01a1

<400> 30356

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 tctagacgct gccattgatc ggcgatttct gatacatggc ggagcatcac gaacacgagg 120
 aagtgaaggg tgagtccttg ttggagatga tctctgggaa gatccacgac cagcattgct 180
 cagtgtcggt ggattccgac tgcgacaaaa ccagcgccac tgatttcttc aagtctaattg 240
 ttctcaggct tttcggcaga gaaaagccca ttcacatgt tcttggcgga ggaaaaccgg 300
 ctgatgtctt tctatggaga taccagagga tgtccgcatt gacgctggga gtggcgaccg 360
 ttatatgggg tctgtttgaa tcgcttgagt accacctact gactttgagt tgccacttcc 420
 tgatccttgc tctggcggag ttgagcttgt ggtccaatgc atacactgtc atcaacaaga 480
 gtccac 486

<210> 30357

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049a02d1

<400> 30357

cattggctgg ttaacttatg aaaagccatt tctgaaaaac aaatcccca cccagtcaaa 60
 ataaacgaaa aattgaatgg ggggggtttt ccaatgtgag cccgcccccc taaagttttt 120
 gaccaattgt ttacacacaa tatcaaaatc tcatctcatc taataattat aaaccaaggg 180
 ggaatgggag tttcgggaatc acataagcaa accccagttt ccttactttt ttgggagcca 240
 cctttttaag ggggggcctc acttttggag atgggactgg ccctgttcac cacttggggg 300
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<210> 30358

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049a03d1

<400> 30358

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 atattgagat agaaggggta aaactagcga ccattagcca agttaacacc ttctctggaa 180
 aagatgtag ccaactgaaga tgtccatgta gggctagcat tctggttatc tgtataatga 240
 ctttcactat ccattgcatt agcattcatg ttctcccaa gtttctttcc aattgacatt 300
 cctagtttca cagcagtaag aaagccaaat gcaatcagaa cagggtctaac tgcccagtgg 360
 tgatcctcta catgttgata ctgctctatc attttcggac aatttttaaa gttaacgaca 420
 tcaacctcgg agggatcagc caagacagtt cttggtgcat ccaaaagttc aacatgcctg 480
 gaaacttgac aactagacat tcatttggtg ggatcc 516

<210> 30359
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049a04d1
 <400> 30359

aatactctct attcaattac tactatctta ggggggatgt actagaaaaa caagtaaattg 60
 gtcttagtgt catatttaca caatcttagc tttcaagcta tcttaaactc accaaactag 120
 gcgtaaaatg tgttacaatt ctatcgagcc attgggagtg gatgtatcac tttccaattt 180
 gcaaccggag tgtaaagctg ataaccatga atccacctgt atctgggaac tgcttgaaca 240
 ttcatatcgt aaaccatgac gagttaaaat ataaaaggcg tatcgtgtct catcatcttg 300
 ttcacgctta aaacttggca gtttgtctac ttcaacaata tcagatagaa gcggcgagtc 360
 acgaggactt agatctgttc acaacaaatt taagaataga catgccccct gaagaacaac 420
 aaatcgagga agccaatcat cctacttagt atcatcctat aggaggaagt tctcctggaa 480
 gtgctgccca tctttttt 497

<210> 30360
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049a10d1
 <400> 30360

acattgcata attcaaaca aagaaggggt agtccatata tacagcagca aaagcaaaca 60
 taagaaaaca aaaaaggaag ccttcatatt catatatgat atatatgata atcatcaaca 120
 cgacggaacg acgccgtatc cagccagagg gtccgcatca gtgcgttttcg cgaaccttcc 180
 tttgattctt ggctcgttt cggcatacgc ttttctcgat gcgtaacgaa ggggcttctc 240
 gaactttcgg gtcttctctt tctccctgta cctcaacact ctagccttcc tatccgcgcg 300
 cgagaactgc gccgtcacgg tcaccggggc cactttgctg tagctgcaag tcgatatctc 360
 cgacatcgtg ttcccgctcg gcacaactcc aactttcatt gacgacggag aagatacctc 420
 gaaaaataaa aaataaatta aatccaacaa gcaaatttag ggtaagccga tt 472

<210> 30361
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049a12d1

<400> 30361

aaaaacacat ttcaaacatt aaaaaaaaaa cacctttaga cacgttttct ttaacctgac 60
 accattaatc gaactgctat aaaagaactt atgtacgtta ttcgtcggaa accattttcc 120
 cgggtcaagtc atgcgtcaac atataaataa cttttttttg tgacgggaat acataaagaa 180
 cttgatagat gacaaattgt agatatttgc gaattgcac attgcaatat atacacaatt 240
 gaagggccat gattgggact agagagcgag tttgaggctg agagcaagat cctgttgatc 300
 cttcttctta ccctttgtgg cggctttgat actaggggca catgatgcaa ctggatttgc 360
 aaaagtcaaa ggaggctttc tgaaatgaat ctcggggggtg aagtcttgaa attaaaaaga 420
 aacttgggat ttattgtcct tggttggtgc ggccggggggc ttaatttttt tcacctgggg 480
 ggggctcttg gggttttttt tttcaacatc ctttgccgcc gatacgcgcg gtctgggagc 540
 tctttacagg ggggaaaacc ttt 563

<210> 30362
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049b03d1

<400> 30362

aaacttaatt ttttttcaag gtatacttgc taatgagcgt ggttggaaac acgtcttggg 60
 tccacgttca agcagcaaaa ccacgtcaaa atgatgcaga agttacattt acttgcttct 120
 atatggacgg aacatgaatc taattcagac acgcacttag tctacatata aaacaaatca 180
 tcaaactgca tgcacccaat tgtaagacaa gttctggcta ctagtttgag gaaacaaaat 240
 aaaaatagac aaatcattca cttccacctg caggaccac aagaaccccc tgagcagacc 300
 cttccttctt accagattca tctttcacct cagcatcagc cttccttctt ctgattttat 360
 atttagcctc aaactcagaa atttcctttt tcttcttttc caacgcctcg ttaagccttg 420
 ccacaacctc ttcgagtcct tctttatttc gctgcacagc aggcaagacc tctttgatgg 480
 ttctctccac aagcaccctt ccaatcatac gatagcatcg tctagattgg tcaagtgggt 540
 gaat 544

<210> 30363

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b04d1

<400> 30363

ctcatgtagc attattgata aatattatta acgtaccttg tagccaagat tcgttacttt 60
 agatttttggg atttgatat agacacaaac ataaaaagaa taaaaataat gtttctttat 120
 ctacatctcc atacctgtat tctctaaaag tccaaagaca aagacttgga aacaaataaa 180
 ttataccctt ttgctgcaa cacagaaata gccaatataa agtgaatttt attggtaaga 240
 caaagtaaca agttccacaa attgcactgg agttacctcc agatcatctt gcatcagcag 300
 aggtaaaaga gtctgcaaaa ccagtaggcc tagctgggtat gcttccttca ctgtgtgcac 360
 ttgtatagct tgattctttg ccttctgatt ccttccaatc tttcagcaac tgaggaagtg 420
 gttgactgaa gtcaatgccg gagccataat caaattcttc atcaacaggt cgccatttct 480
 ccactaatgc ggatagcaca ctgactgcat g 511

<210> 30364

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b06d1

<400> 30364

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gggcatgatt agaaattaat ttaaaacaaa aaataaaaag aaaaagctgg ctgaggaatc   60
ggcgagtcga ctgagtgagc agcaaccacc gattttgtag cgagttgcc aacggaggtg  120
gcaatcaagg gcctagtgtg ccatcccaac atgagacacc cattgttctc ttccactcta  180
taccatccc ccccccgaa aagcgatagc aacatgctgg cctgcttgta cgcgttcgaa  240
cccaagtga cggagaaaa cccggtcgaa ccgaaccggt tccgccactg gttcagcgtc  300
tcgtgccttt ccacgcggtc cattccctcg cagccacca cgttgcagat ttgcttcct  360
aagtaaact cgcacatggc cttgtcggtc gggttcacag gcgaaccctc cagcgagtcg  420
aatagagttg aataatagtg cagtgactcg gtgaaccggt cgacaaaact cagtccg    477

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<210> 30365

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b09d1

<400> 30365

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aagcacaaaa gatttggata ttttgatatt attttattac atacatgcat agatagcctg   60
ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat  120
ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat  180
tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga  240
tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc  300
gctgctttga caacgcattc accactggtg taccgggtgg aaccagaggg gccttggtca  360
ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt  420
taaactcgat tcgagtgctg agctcagcaa gaaggaccaa gtccaagata ataggagcag  480
ctaacagtga attctcacat gtgttggtga acacaatt    518

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<210> 30366

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049c02d1

<400> 30366

agttgtcatt aatattaaac aataatTTtg gcatcataaa ttcttccgga ataattatac 60
 aaaagtgacc agggaaaacc cgatctgccca gttgccact gaataaaaac acacatcata 120
 ttactatgtg ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcctt 180
 ttatccctcc ttaatcctta tgccgtaaatt ggcacatcc cttgtaaatt gtaattgctt 240
 cttcagaaat agaattatac aaaggtagtt gcaatatcta ttgccaaac tataaatgta 300
 aagacccttc ttcccaatcc tagtagtgct ccaattgtat ttacaaagggt gggacaagat 360
 atgtatatac aagtacaacc atgtaacata atgtaacaat aatcatactt tggtctttac 420
 tagtgacat tacagggagt tattatgcac tgaaaccct ttgcagagaa ctccagggat 480
 tggaaggaat actgacacaa gcttgtgctg aagcctcagc catttgttca ttctttatcc 540
 cta 543

<210> 30367

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400049c03d1

<400> 30367

aagcacttaa gtttgtggat aacttgatat tattttatta catacatgca tagatagcct 60
 gctctcaaat aagtcggcag gaacaaagat agagagattc aacgatcttc aaatttcaca 120
 ttgcccagaa atatataaca gaaaagaggg gtatgggata tgagttaagt ttgatcaca 180
 ttcaactaca ctatcccaaa ccgttactct taagactttg aacttcactt gtactctagg 240
 atcatgttgt tctcaggagc taatccaaca caagccctca ggatgttttc cagcatagct 300
 cgctgctttg acaacgcatt caccactggg gtaccgggtg gaaccagagg ggccttggtc 360
 aggtaactaa ggatggctgc aactgggtgg aatgagtgga attttcctc attttcagct 420
 ttaaactcga ttcgagtgt gagctcagca ngaaggacca agtccaagat aataggagca 480
 gctaacagtg aatcctcaca t 501

<210> 30368
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c05d1

<400> 30368

catcacaatc atccttgaca atatTTTTTT taatgatgca acggattcac aatgttccat 60
 ttagccttga agagaacgag aaaaaaaaaa taaagataaa aaagaatcca atagtgtaca 120
 gggaaaggga acaacaccca ctactaattt ctttggagat tttaatgccc ccttgactga 180
 ctagagtagt aaagttgcaa ttcaattcaa cacgccataa ttgcaccccg ttgaaaactt 240
 gtaacgttga ttaaattgatg gcttgcgttt ctaaacccttg tcacggaaaa aagatgattt 300
 tggctacgaa tttcaagacg attctagaat gagaatagta gcatcgggag cagagacagt 360
 gtgattgtgc tctccctcgt ttgttaccac ca 392

<210> 30369
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c07d1

<400> 30369

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 gacccttcct aaaactatgc acagaagtac aactgtgttt taagaaaaac gtgttgaagg 120
 caagtaaata tacaactcag acatcaacat gcacctgtta agtgctaacc ttttctttga 180
 acaccctgtc acagaaatct gagcactatt ggtatctgaa gggtgagaga ttacgcctga 240
 aggctttaga actgaatgca gagaaggaaa accacaacaa ctgctatcga aaaagatcag 300
 ggaatgacca cattatgaac cttgcaaaaa tgtcagaatc cagaaattca atatgtgcag 360
 cccgacctat tatagagtcc agattcttgc cttgggtaga tgcacaaag ttgacatcac 420
 agcgcacgaa gactcgatgt tgcacggagt tggcacggat tttggccaa acaagcattc 480
 aacattttcta ggaacagttt accctTTTTT gaagtgtcac gtg 523

<210> 30370
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c10d1

<400> 30370

aaacacaatt tttagattct tatagaattg cacattgatt aacaatataa actcttggtta 60
 taactaacga tagcaaaaca ctttctaaca aattagtatt aacttaaaca agtcttggtt 120
 tcaacttaac atggctaaat atagtgccca caccagcaca acaaatcact atatgatttg 180
 catattacgc tatcatcggg cacttcgcc aacataagtc gatcgaatta ctatgtaaata 240
 ttcgtttcta taagttaacg caaagtctct gttatttatt atttggtgag gtaatcggaa 300
 gctgcattgt ttctgtttct tttgttggtg ctggtgatga catgtcttct ttatagtctt 360
 tgccttttcc ccacaccaca gagtatagac cactgcgat aatgatgcct ccaatgatgc 420
 ttcccaggta gaggtgttct cctagaagga gggaacccaa agcagtaaca attatcatgc 480
 aaagaggatt gaaggatggt acaaacactg gacctctgct ttggattacc aacccttgta 540
 tataatatgc taattcagaa ct 562

<210> 30371
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c11d1

<400> 30371

ataaaactac tagaaagaaa aaactcttga acaatgttca ttaccatgat gaaaaaacag 60
 tacaactatt gggaacaagc tcgacaaaac agaatgagga aaataatttt agcactctag 120
 aaaactagct catggggctt cactcctgcc ttcaaggaaa acctagcacc caagtaagac 180
 ttgagctctg gaacactctc aatggccttt aacaaagcag tgtccacggg tttttggtca 240
 tctttctttt cttggggaag cacatttttc tctccttct ctgcctcaa gaattgcct 300
 tcgcccttg ttttctttt cttagcttcc ttggcaaagt acttgatc aaatttatca 360
 acattgacat cagagatatc cacctttgtg gatgtaccaa taacatacga ttgggtcacc 420
 cttctcagag ggacccatt gat 443

<210> 30372
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d01d1

<400> 30372

gggggagaaa gatccaaccc ctctttgcag ggggggttgg aacaattttt cattcttttt 60
 ttaaggggtt gacccaagaa attcccgggt gggggaaaaa ccagacttcc gggggaggaa 120
 ccttccaagg ggatttttta aaaaaacttc tttccaatgg gcaacttaac ccacttttta 180
 tgggaaaggt cccacaggcc ttttttttgt tttcaacata aaccctccaa gggatgcttt 240
 caagttcacc ccacttagca atgccaatg ccaaaaaaaa taatctatgg gaccgaagtt 300
 caaattatca ggggtccacc caggacgcc attcctaggg gggatctttg gcccaattgg 360
 cacaaaaaga aagctcaagt cctttcccaa aaccacggtg gtgtgtgaa 409

<210> 30373
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d02d1

<400> 30373

gtctctctct ttaagtaggg aagcagatct tatcagtaca cataggtagg ttgaaattct 60
 agctctagca atctagctag agaaggtagt acttgacaaa cacacagcac atgataattt 120
 attttataca caatctcatt ctcatggtgc tcaagatgca tggactaatt aagcaacaat 180
 gttggtctga taggcagtgt ccacagataa attgggtacc cataaaatgg ccttgcttcc 240
 aaggaaatgg caaacagggt tagttccagg atcaactccc ataagttgat gaagcatttg 300
 atgattcatt ccagaagtat ttgagtggca aatagcaagt gcctgagttt tggttccatc 360
 accagccacc aatggaacca tgaaagctgt tgtttcacgg acttcatggc agtaaaatac 420
 tgcagttctg aaatttagcc tatgacacat cactgctttg tctccaagat tctgcactcc 480
 ttccacagtg tattggtctt gcttattgac aaaggaactt gaaagtactt gaatgttctt 540
 tcccagcttt tgaaaggcaa aaccattac 569

<210> 30374
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d03d1

<400> 30374

ggggcagaaa cccataatTT agtttttaat aaagcaaaag caaaatgccc acccattccc 60
 caaacaaaac atgcttattc aacccaaatt ggtttcatat cacagaaacc aacagggtgt 120
 ttttcttctt acccgtecca cccacttgaa cagaaatTTt tcggaaatta aaaataaaaa 180
 agctaaactt tttttacctc aaatttgaaa aggctaaCAA caaaaattca aaaaaaggga 240
 aattaaaca tcaatccggt tcataaaacc gatttttggt ttccctcact ttccgggggt 300
 aatctcaatt acttagtacc tggaaagagc aggcttgttt ggaccctcaa caggccact 360
 gatgtaatca gcctgggccc ggctaagctt ggg 393

<210> 30375
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d04d1

<400> 30375

aaaaaaaggg gacccctca cctttccggg ggaaaagggg agctaaccct tttttttcca 60
 caaatTTtct tttttaaga gagggcccc caaggggggg gcccttaact tattatcccc 120
 cccgcgggggt ttttttcccc ctaacttaat tttttgcct aaggggggaa aattaaatgc 180
 cccctttcc tggaaaccca ttaaaccggc cttaaaccga gaaagaagg aggggcccct 240
 ggcttcccg cttggggcct tttttgggt cctaattttc gcaaaaaaa aaaaggaaaa 300
 ttgggggggtt aattggttac ccccgcccc taaaaaggg ggggggtccc ccccttaaaa 360
 aagggggccc ctatttgccc ctggttgga taacaacgaa cccctcttg gggggaccgg 420
 ggg 423

<210> 30376
 <211> 514

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049d07d1
 <400> 30376

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 gaccaatcta aggtgagaaa agaaagggga aaaaaagagc ctatatgaaa ttacttgtat 120
 gataagatag aaagaaagca cggcaaaaaa aaaacagagc agaaagcatc caagctttca 180
 gctattagca ttttctctat ttgaaccttg gttgttagtg tctgcaagag aaggccctga 240
 ccctaaaagc aaagggatct ctttcttttc attgtttgag tctttcttgg aagatggatt 300
 cgcagtcgaa gatctaagag gaggtctaaa aaatttgcta gcaacatctg gaggggggtgc 360
 atcttcacct ggaagcacia gaagaccttt ctctctaaga gaagatggct cgttgaagca 420
 agtgctccac agggagtcca caagttgcct ttccttcttg actacaccaa gggctctcag 480
 ctgacattaa actgatattg tttattcggt cttg 514

<210> 30377
 <211> 599
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049d08d1
 <400> 30377

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 tgaatatata attaatactaa attctaata cagcgtagct cagcgaaagg attattagaa 120
 tattctattc ttcggtttttt cctgagcatc gagaaacgta ttacttccaa taccgtgttt 180
 ctaaacagaa ggaatatgta cactaaagac aaaaagactt aaaaaacgga attacagga 240
 atagaaagaa agaaggaaag gtaacaaaaa aaacaaaaga agcagcggtta aaaacttgta 300
 aatgttgggg ggggaaacgg gatcaaacc aaccctgttt gtaacgggtcg aagaggtttt 360
 ctgtttgggc attcctgaag gcactacaag ctatgacata gacctatag aggaccacca 420
 ctgccacaat gagaatgata ttgtctttcc tccattcttt tctgagggtta cccaatagac 480
 cagccttgca cgcattacaa ttgtagcata gctgattctg gtcattgttc ccaagtagca 540
 attctgatca gccatagggt tcacaggggt tgcccttagt atgggggttta cataattgt 599

<210> 30378
 <211> 616
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d09d1

<400> 30378

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 ccgaattaca tcacacaggt acaaagttac aacgtcattc actcattcaa ggcttaattc 180
 tccactgtgt tggagtctta tatgtgggca ggggtgttca ggttctocac ttgtccacaa 240
 aacctcaaa tctcctcgct ttcgccccaa tgtcatcagg gtcccaaggg taaatggaac 300
 gatgtatagt agtgccgggt ggccatgccc gtccatcaag tttagtgcc cgtacgtaat 360
 taaaaggcca aagccatatg caaccattgc ccacaagaaa tattcacttt taaggctctt 420
 atttgccagc caatcgtacc tgagtgagaa tgccaccagc atttctggta aaaggatgtc 480
 tccaaaacct atgatgctgt aaccacccca tggataaaaa atacgaggga acttcagtta 540
 catggggaat ttcatttttt tcaactcgat cacctcgggc ttccacaatt atgacatttt 600
 ccttgaaaac tttttt 616

<210> 30379
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d10d1

<400> 30379

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 acaacttgta gtgtgttgtc caattattcc ttggcagtgc tggttctttg ccctgatgat 120
 gccattagca cagcaacagc cacaataaac ataaacaaca tactccctag cagtatatat 180
 gttcttcttg atgattttct gtactcccca aacagaacca cgccccaaaa agtgcttaca 240
 agtggaagtg cctggactgc atctgctgct gcatatcctg cagcttgacc acccataaat 300
 tggagaccat tcccaaacc acaaagcaaa ccagccaaca tggcccagac tctgccatct 360

gagtccgcca aataagcctt aaatgatgac ttgggtaggt ttaggacagg gtggttagagg 420
 aaggtgatgt ttagaatcat ggcaataaca aaacatgaga ctgaaaaata gaagaaggca 480
 gtattaactg tcaaatgggg aacccctttt ctcaacgtat tccattgggc attttgttgc 540
 tatgttgaat gct 553

<210> 30380
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049e03d1

<400> 30380

aattaattca agaaaatggt gaaatgtgac tccgtgctga aagacggtaa tataacacta 60
 aagaaccact gcaatcctct ctaatggaat atactgatgg ttctaccctg cataatcggc 120
 aggttcttaa aatcataaaa ttacaccctt gtcttctaata agaaccctg acaactacta 180
 tgcacaaaaa tcacattcaa tgtgatggcc catccatcgt cacacaattc accaacattg 240
 acaactatct acaaacccaa tgctggacaa gactacaaag aatcatatct tgattcagac 300
 gtgattttct tttttacaga agttttattcc taaaatggct gctagaaacc tattccagca 360
 cccattgatc caatactact gccactcttc ttgagtacag gtagtattag gtataaatac 420
 actagtgtaa atgtccaaat ggaaaagcag cccgcacatt ccagtttcct tcgccatctg 480
 gagcgactca gacacaactt ggtgagcatg actatatatg acctctagaa tgcaaaataa 540
 ttaacttgca g 551

<210> 30381
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400049e07d1

<400> 30381

aaaccataaa ctttttatat ttttttcggt ataaattaaa tgcaacttaa aacatccctc 60
 agcagcaaag gaaatggact aaaaccctat agctgcttgt gaaattcgaa atatctcaga 120

ctcttcttac catcaaaaca aaaaacagta ctcatcaaaa acaaacagca atgaaaattg 180
 accaccnccg atcaagaacc tagttttgaa agttacggct acatgaaatc ggcagaaact 240
 taaaaatata acttaaaca aacacctaag actctgcaag gataaaacta ctataaagga 300
 gtaaccacga tgatgatcac atgtgctagc aaaattgccc aaatgcaatc acttcttctt 360
 ggcagcggcc ttggtgacct tggctccggt ggggtctttc ttctcaacac tcttgatgac 420
 tccgacagcc acagtttgac gcatgtccct cacagcaaaa cgaccaaggg gaggatactc 480
 agagaaagtt tcaaccacca tgggcttggt tgggatcatc ttaaccatac ctgcatcacc 540
 attcttcaaa aatttgggc 559

<210> 30382
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049e08d1
 <400> 30382

atccaaaact gtttttaaag atgtcttggc cagaaaagat cttaatcata atggacaaat 60
 tacaatttca attacatgct aatcaattat tacggctcag gctcactggc cactgagttg 120
 gactcttttc agtcgagtcc acccagccga atcatcgccc agaaaaacca aaacaattgt 180
 cttaaactaa ccataaatta ccagctgctc aataataatt attataataa acacaaaact 240
 taaaatacag ttttataagc atttttagta ccgttcacg gttaaaattg gatttctatt 300
 ttgataactt atcataataa aaacttttta ttatgtgaat tatcaaaata aaactccaat 360
 gataattgcc aaacagaact aagattacat acaaaactgt gtgtttgtct tgtcttttat 420
 agaaccagcc gaactttaaa cactattgag ttcatttgct tgcactttta ttaccttaaa 480
 aaattaatat actgccatag ggttttttgc cattaagacc gaagaaagtt ccaacctgag 540
 ccgggtgtta acccggtgaa cccg 564

<210> 30383
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049e09d1

<400> 30383

gaagccacaa agttcagcag aaccacaatg aacaccagga aatattaatt gattatctca 60
 agtggtttttt ttagtagtga gacaatgcaa ctcaaaatta taaaggataa caatccaata 120
 tgaacaagat aaattatttg attatatcaa gtcatagctt ctcttcaagt ggagaatgct 180
 taggtttctca ggggtgtgtat aagcagggttc catcatcact tcttgcagtt gggtcgaagt 240
 ttgaggcatt tggatcagta caaccttcag gaacgggaat ttttacttgc tgggctgctt 300
 tgccatagaa agttcctctt ttgatggcat cctgattagc atcaccaaga gcagcctcgt 360
 tcaagtactt gtctgccagt tgtactctct tcacattctc ttgttcttgg acaagcatgt 420
 taccatactc caagagcttg c 441

<210> 30384

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049e10d1

<400> 30384

aaggggaaaa atttttacct tattccccat caatccctgg gtaaaccctt aaacggggaa 60
 ccccaaataga ccaaaccaag ggggttggtt taataaccat ttagtccatg ggggaccttt 120
 taaaacaaaa acctttcctc cttcccacac gtccatttcc gaccttaaaa ggtaaaagga 180
 accaggaaac cctaattggg aacaaatcct acttgaggga tgggggaccc aaaccggggc 240
 ttctttttttt tgggtttttg aggttccggg ttaagggttaa ttggcaatgg ccttcccagc 300
 accaaaaaaaa ccagcggagg cagccccagg gaccataagg tccctccttc aatgggtata 360
 atggtggtaa aaacggacct tttcccctta agtttgggag gacctactta caagtaattt 420
 cttttgggca gccacggcca accgttgggg gacagcgggc caccacaaaa taaaacctgc 480
 catggggaag gaggcctttt tggcaa 506

<210> 30385

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049e11d1

<400> 30385

caacgccggg aagtaatgaa catgccaaga aatttatggc gattatggaa caaatttttg 60
 aaatggaaac catccaggac gggatgatac aaaattgggt gagcatttaa caatctgaca 120
 atgtttcaat taaggcaagc tccaacacat gcaagcctca cattattgaa ggcaaaaagt 180
 atatcacact tcagcaggaa tccaggtcac ggcagggagg aggcttgggc tactttaaca 240
 aagtagtggt cccttcttca ggtccactct taattcggcg gggattttgg gtgccgtgcg 300
 ggggcttctc acccttctc agcttttcta ctatcttaac tactttcttt ggggttacat 360
 cttcaaagta attataagta tatccctctg atccatttga ataatacagc actgtaatca 420
 taggagcatt cacacagcat tccatgcatt tcattttctt caaacagaaa acaaacc 477

<210> 30386

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f03d1

<400> 30386

ggtaattata ttttatttta ttaactcatg gaacgaaaaa aaaaaaacat cactgcagta 60
 tagcatttat aaccattgat taaataacct tatttttctt ttccccctc attgtttttt 120
 ttttctctcg tcgaatttta aataacaaaa acagagaaat actagctcat tggattgaac 180
 gtgattaaac atgatgataa ttgagagaaa ttgtgaatgg ccaccatcat ttacagatcc 240
 caacaataat gcaacgccgt ggatgtaatt gtcacataat tgtgcatcct tgtggattct 300
 cttcgctgaa atattgatca caacggttcc cataacaggg tctgcctcca ctgtaactat 360
 cgtaaacggg ccttgcatag taaccgtcgt aacagagcat gggcccaccg tactcgtagc 420
 caggcccaac gggcctgcct ccgtagcacg gaggaggagc atagagcatc ccaactggga 480
 ccgccatcgg tgc 493

<210> 30387

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400049f07d1

<400> 30387

attggttaat aattatatta ctttgggata aaacatttgt tacaagttta gttcatccta 60
 aaaataggat aaaactatac acaatgaaat cccttatttg aaaagattct gaataagtcg 120
 tacatttttag tttcactaaa ggatgaaaat agaaagggag ggaagagaga gagagagaga 180
 gagagagaag attcttccaa caaaacaaaa gggagaaccc tgtcagtata caccaccaat 240
 taaggatatac aaattccctg ttttcttcct ctgttcatgg ccaattaacc ttttctcttt 300
 agtcaatgca gaaaacaaca aaacaacaga aattttttct gcctgcttaa cttctttggg 360
 acatctgaat tcatactttg agttacaatg gtgttttagtt ttttctgcct gcttgacttg 420
 tctgcatgat ctaaagacct gtcttgact gaatcagngt ttaattgctt gttgctgaat 480
 tgtgtttggg ccacaattgc tccgtttccc aagg 514

<210> 30388

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f08d1

<400> 30388

aacaagacaa tttccatttt tcattattcc accattacaa gcgacctcg atgcaaggga 60
 aactagaatc ccgggtacaa gaatacaaga taaacaacct tgctactttc taaaattcaa 120
 tcatacatag gctgggtgtg ttaaccgaaa tacatgatac agaaggaagc cagaacttaa 180
 tagactaggg agactttctc ggctttggca gtcatagtgg cctccaacct aaaccagaac 240
 ccaaaatgct atggcgagtt ggtttcaaaa tcacactgca gcagcaccag caggaacgtt 300
 agattcaact gacttcagta tctcctcacc tagctgtttg catcctacca gcttcgttcc 360
 agcagaatat atgtcaccag ttcgaaatcc cctgttcaaa gagtccatca ctgcattctc 420
 tattctttca gctgcctttt cttctcctag gccatatctc aaaagcatag cagcactaag 480
 aacagtggca aatggat 497

<210> 30389

<211> 487

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f09d1

<400> 30389

gctaatatcc ttttgctcag gataatcata ggaaagttct ccgaacactg tcatggtgta 60
 ttattcccca gtggagacga gggagctgga gaaatagaac gattaaattg gagccatatg 120
 agaagatatt agggagaaaa taaatatgaa atgagacatc aggcacgcac aaatccacct 180
 gatcatgagt cactgtatca aataataaaa ttggcccaa aatcatatgc tagatcctgg 240
 atggtataat aaaccagcta caaaaccctc tagccattat gcaagtattt caaaactggg 300
 tctccttcc cgagccgct ttagaagatt tcacaaatat tactagtttc ttgggtttac 360
 cttatgatat gatagggtt aacacaacc accatgggct ttggaaacaa tgtaaaatga 420
 tatgatggta aaagttgaag tcgccaata tgatttaata ggcaggccaa gttaagggt 480
 tgagagc 487

<210> 30390

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f10d1

<400> 30390

aacaagtgcc attttattta ttataactgg gaagttgaga tgacaatgga agactataat 60
 gtaactgcac ctgcatcctc atcaatggct catatgcaa aacattaaca atcaacaagg 120
 taaaagcaaa actagtttgg gatttaattt atcaaactgt gagcatgttt caacagaaat 180
 gacataaata gactctacat gcaaaccacg gtaccaaact cttagcaaaa gtccaacaat 240
 ggacaaaaac agaaaacatg tagataatct ggatcaacct aaggccaatt tcaagatcaa 300
 cttgaggcat ttgtattact catagatcca agagtgtgag gagctttgcc agttagcagg 360
 gccctcaggg aaccacaatg caatttcctt gttagcactc tcaactgaat cacttccatg 420
 gataacattc cttccaatgt caatagcaaa gtcaccacga atagttccag gctcagattg 480
 agctgggttt gtgggtccga taatctttcg gccagttgta acaacattct taccctccca 540
 gatcatggca aca 553

<210> 30391
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400049f11d1

<400> 30391

aattatgnta ttagatggct tgttggtaga atcaactgag aaagaaacat agcaacattg 60
 tatgttaaaa atgctctaaa atcctattac atcagagatg cactacggtt acaatttagt 120
 catacaaaag ctgagtaaca acaattgcct actcccatga tactggtaat gaaaatagga 180
 aaagaaaaga aaaacaaagg gaaatatacc atcaacatca ttgtttcatt agctcactta 240
 taacccttct gattcatgat ttatcttatt cacaagccaa tttggtgtca aagctgctca 300
 agcatattgc aaaagcttgg aatgcagata aagggtaccg ataatccatg gtgaacatgt 360
 ccttcccaac tttgccaaac tgaagaatga tcttatcgtg ctccggtgga gctgggtgag 420
 atgggtgtagg tgcaccagca gctgggtggg tggcagcaat caactggaa 469

<210> 30392
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g02d1

<400> 30392

cacacattca taacaaacgt aggtgggata ttagagtact attattaatg ggacacaatt 60
 gagttcaaca caaaccgaac ttattttcaa gggacattat tacagacca ttaaacaatca 120
 aagttcttca aatgttttgg gaacacatcc aacattacac aacgagctta aaacccccca 180
 cggagacgga ggacaagggtg aagggttgat tccttctgga tgttgtagtc agcgagggtc 240
 cttccatcct cgagctgctt gccagcaaaa atcagcctct gctgggtccg tgggatgcct 300
 tccttgcctt gaatcttggc cttcacattg tcaatgggtg cagagctctc cacctcgagg 360
 gtaatagtct taccgtaag agtcttcacg aaaatctgca taccaccacg aagacgcaac 420
 accaagtgga gagttgactc cttctggatg tagtagtcag caagggtgcg tccgtcctcg 480
 agctgcttcc ggccaagatc agcctctgct ggtctggggg gattc 525

<210> 30393
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g04d1

<400> 30393

catatacact gctcttattg taacaaaaaa ataaggggaa aaaggacagt gcttccgcta 60
 tccactgtac atgccgacca ctaagtatac attttcacaa cccgtatcct ctcatgtatg 120
 tataacaact actcaagcag gttgaataaa accggaaaaa ataattaata attaaacaga 180
 taaaaaagac aagtccaact gattcaagta tctaaaactc aaaggctcct ccgtctagtt 240
 cctgttacca gagccaatgc tctcatagaa taaaatgtaa ccatgggtctg tattgctgga 300
 atattcttgc gaagacccaa agaatgtctg aacagcagac tcatcaatca tctcaacatt 360
 ttcgtcgtca aaaaataacc agtgggttatg gcttttcaca aggcttacat aatgcccgtg 420
 gttggggcca ctcccacatg gacaactact gcaaataagag aataactcaat atctgcatct 480
 ttagcagtat cacttaattt cagcctaaga gggaagacaa cccggtagac 530

<210> 30394
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g05d1

<400> 30394

aaaaaatatt tggggatagc ccataaaatt ggaaataaac tgtaagtagg cttcaagtat 60
 taaagctaaa tatcattaaa cacctttcaa agtcttaaga cataactgtc ctagctctgg 120
 gaatcagaac tcaaattatt ggcaagggtt ttatcatacc aagactaatg ttccaactat 180
 caacttatat atcacaccaa aaaccgggca cccaaatctc aatgctcaaa ctcggttgga 240
 tctccagggtt ttttccactt gaaaacttta gtaggggttca acgggggtac ggaagtttagc 300
 tccggcgtac actgggttcag caccaagctc ctctcaatt ctcaagagct gggttatattt 360
 agcaagacgc tcagacctgc atggagctcc agtcttaatt tgaccgtag ccaaaccaac 420
 agaaagggca gcaatgaagg tatctcagt ctctccactt ctgtgactgg ccatgacacc 480

ccatccagct tttttggaca tcttgacagc ttcaatactc ttaagcacag aaccatttgg 540
gtgacc 546

<210> 30395
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g06d1

<400> 30395

aaaaacgaca atatatttat ataatcacga gcggtaaaaa tacaacatac aaataaaaat 60
aagggagagg gacatctaca caaaatccac acaaacttaa gtcaaacgag gacaataata 120
cttataatac tgatgctgat gacagaaatg agaaaagctt gaacctttac acgtgagctt 180
taacctcccg tgggtgctcg aagacatact taataagaga atccttaatt gacacccgtt 240
atggaaatag cttattcaaa cggggcgggt gcagctcatt gaagctcctt ggtgacacgc 300
taaccttggc ctgtttatct aaagctataa ggggcgactg gaagtggggg cccactgaa 360
cagtgtgcat ttac 374

<210> 30396
<211> 516
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g09d1

<400> 30396

aaattataag attgtttact tctcctttga actaacggta ctataaggat acaatgatac 60
acgaacaagc ggctcagcaa tgtaaggtta aacattgcac tgtttttggg taacatttca 120
tgcaattcct tatcttaaaa atgggttaca tcatgataaa taacgattct tataaaaact 180
gggaaattgc taaagagaag caccctgttc gaaagtggac cgtatccacg atagcaactt 240
tacacggatt ccaaactggc ccaatcataa ttcttgagga cttgcaccac ggcaacattc 300
tttatattag tcatctatgt tcttcatgta ttcttttgaa agtttagttt ccattatcac 360
accgtgttct ttgattagag aataaccoga ttcaagtaaa gcatccaccg tttgctctgg 420
aggaataaat acaggaaggc tttgggcctt tcttctcttg agaaagttgt tttcaaaatt 480

ttcaacacct ccaatatcat caatccactt taaaat

516

<210> 30397
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400049g10d1

<400> 30397

aaaatcataa attttgtatt ttagcattaa tataatgcmc ttaaaaggca aaagtgtatc 60
taacttatag atagcagtgc aagacaacat tcattcaaac taaatgtgca atctactatt 120
caactaataa taatagttgc atggaaagcg taggaaacaa cccttgcaga atactaaata 180
tgctcaatc aagcaaatcg gaaactgcat ttttcctaaa tgcataact agagccaact 240
ggtagccaa cgttttgttg ggaaataggt tatcagcttt aatcctctct ctgattccat 300
acgctggaac cttggcgctt acatatgcct gtattagaac ttggaactga cttattcggg 360
acgtataacc tgcttgtctc attttaagga aaatcttctc cgagttatgg acgtacccc 420
tctttgcata ctgctctaaa atagccaaat agggtggtaa acatntggct gcagctgatt 480
ctgttgatt gccttatgca 500

<210> 30398
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g11d1

<400> 30398

agttaaaagg gtttattccg atttcataaa gaatacaagg ggggaaactt atacccaat 60
acaataatgc ctttattctt atgctccctc aaacctaatt tatgcaattc aaaaaaagtg 120
ggaaagacca ttgagggtga aaagccacc tttacctaaa taccaaaatc ttctaaaata 180
gaaaccatag gggagggtaa tcaatatttc tcattacaat ggtaccacat tttcaactca 240
acaccaccac acacatctac cgcagtgtgt attttagcaa ttattaacag agaaatggcg 300
cttcaaattt cagcatgatt tggcaaccaa ttgctcgagc ttctctagtg tgacactttt 360
gggcctttca agtggcattc caagagccct atcccatatc aactgagggc caactccaaa 420

gctccttgat acaccaaaga gaacagtata atagttttcc tcagtttagac catagtagtt 480
cagtagcact ccactgtgcg catcaacat 509

<210> 30399
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049h03d1

<400> 30399

gtattattgg ccacaattag aaaatgagta cataacgcta cctagctcta ggtagataca 60
tatctacaga aagtcttgaa ataggacagc aaagaggaga aaattgacag actaaaacaa 120
caatcattcc aatgacttga gcagcctaaa taacgcagct gcctctctaa tacgtgaaaa 180
ctcgatgcaa aacgcttgaa cttcaatgaa gagatcttta acattaataa tattgttccg 240
aatgaggctt tgcagaaaaa cacagacaag ttcacaagc ctgttctgca tgtatttattc 300
cttcatgccc acacaagatg ctatacaatt agttatgtac atgtgaatga attgagatgg 360
tagttcaaca gctgttgtca gcctgttcac aacttccatt gaatgtagac tcatgtccat 420
attgacaagt actggaaagt attctgctat ttctggagaa tttatcaact tagtgagaac 480
gtcaactgca ataaggggat tgttttccac caggtctggc aactttcttg gtgtcagtc 540
acagtgatat acaag 555

<210> 30400
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049h04d1

<400> 30400

caagaaagtt tttttccct cccagcaag ttgcatcatt caaagggaga agctaactat 60
ccaaggtttc tcttgattga aattaagaat cagacataac aacagacacg gacagtaagc 120
aagcatagct ccttgcttaa gttacatcaa gaagttcact atgtgatgac tatttatgca 180
cacctgtcta atttcttttg gacatatccc tcatgaacta tgttctgcaa aattaacagc 240
taatgcacac aaattggatg tggtagttg ttaccatgac ttgcaaggta actttccata 300

aataactttt caggcttgcc tagtgaagtt tccctttcct ataatccaat aattgctgct 360
 ctctgtgttt atctgcagca agtttagagg ttcccaatt cagcttcctc actgcctctt 420
 cagtttcaat atagtttga ggtacatcag aacctccga aattagagga aacttaactt 480
 ttacatcttt cctactacca agagcaaaca tgccacgtcc cctattcatt ccaccttcca 540
 aggacaaagc t 551

<210> 30401
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h05d1

<400> 30401

aaataattat ttcagtaagc taatacatatc tgaaagtcatt tcttataaaa agaaaacaat 60
 attccacttt cattatatca cgttttttgc aacagttaca attggtgtaa ccgtaacaac 120
 acatccttaa aatgacatta catgtaagaa aaacatgctt tacaattaat tccttacaat 180
 aactctagta aaattgaaat tgaacttaac aatacaaatt ttgaaggac aagaaaacac 240
 cttaacagat caactcacia aagaactacc ccacttttag ggtgtatatg taacacacia 300
 acacacaatt catataattt atttgtgtg tctcttctaa ttgggcctcc tacattgctt 360
 ccttatctgc ccatttgacc cagttaaggg ttgatgttt cccatcttaa tcattgcagt 420
 gacaaagtca gcctcaaagg ccttttgatt gttgctgtaa gctctcacta gtgaatctgt 480
 ggatcctcca ttgaagagct cttgatcaga atgaaggaga ccctttttgt tgat 534

<210> 30402
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h07d1

<400> 30402

ctctcttgta ttatactcac tttgtgcaa tcaacttttt ggggtggccac ttaatatttt 60
 ccaaggtaga cgcgtaaaaa attggatgtg gatccgtagg ttgggttttg ttcccaatta 120
 gcatgtgatc taactcgttt gcaaacttgt ccatagcttt ggcgggcaac caaattggta 180

ataatatgcc ttcttctcct ttgtcattct tatgtgccat cagatagaat actgcaggaa 240
 aggggtccagc cccacctttg gccactccac catataatgc cctaccccac ccaaaatcaa 300
 tttgtttgaa accaaaaatgt ctcaaactcg acacaataaa agatctcacg gcggttaaca 360
 agcatcttcc attagtcacc attagatctg ccacagaatg catgtattct tctgtcacct 420
 cacctttcag tttattttatt aactccactg catacccaaa tggattttca caaag 475

<210> 30403
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h08d1

<400> 30403

gtgtaccata catttcactc ttgtattga ttaaaataga taaaagatac attaacagta 60
 ggtagtgtctc ttttagagag agaaagagct tattttgaac aagccaatat tactcttaac 120
 aacatattta taatgttttt ggggtccacca acatatttat aatgtttttt tttccaatat 180
 ctagagcttt atgcgaccgt ttggatcat ccacttcacg ctccattcat tgaacctaca 240
 cttgtaggac caatatgccc atccaaaagt tgcacgagaa tacacaccta gctgtgcttg 300
 ggcatacctt tggtagtctt ccttagtcgc accttttaca gccactcac cagtccactc 360
 ccctacaaaa cttagagcat ttgtggaaga gacgccacca agattagaga cacgttcatt 420
 tcttatgaag tcaatatttt cttgaacagt catgctgtcg aaaccgttcc aaaaaagatt 480
 ggagtaatgc acatcaatga ctactctgtc aaagtctttg acaaatgaga gaagcacttt 540
 agaattct 547

<210> 30404
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h11d1

<400> 30404

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 ttataattgg accaaactcc gagttggata agtacaagaa caaattttta cattgaaact 120

tttcataaca aggcttttcta catgttggtg gtttggttca ctcatcaatg tgatccgtaa 180
 ttctgagaat aaatgtaatt tccaaaacca actccaatth taattccatt tgctactccc 240
 aacattgttc atcaccagaa aataaaagaa caatttagac tagcaataaa gtgttacata 300
 caacacaaca aacaacaaag acagagaaag acaatctgca tacaactcac gaccaaaaact 360
 atagatgaaa aatggaccga acaaagatg acatgcatat ttcttactct tcaagttcaa 420
 tttccttcat gtacccaaaa ccaccaccag aggttattht ctctcaatca gagtaggggt 480
 ggatcttgaa cctgttaaga agcctcttht ttt 513

<210> 30405
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049h12d1
 <400> 30405

ggcttattat atttagttta ataagagaa agttaaagg atgatgagct ggcagtccca 60
 tagtacatat gtacacttgg acctgttht atgaagcaag atacaacct aagaatacaca 120
 tacacagctg cattcattcc tggcatatga aatgtatata catgcagtat aggatggatg 180
 gatggataat gaattgcata tcatcatgat tcatcaggct ttggctccag aatgacgggt 240
 atcttctcct tgtggtcacc tctcaacacc tgcacaatca ccttatcacc cactttacac 300
 tggtaagaa ttctgtataa atcacttht ttagtaacct tcttatcatt cacagatgtt 360
 atgatgtcac ctaaaatgag tctaccataa gagtcacgct ttgttgattg caagcctgct 420
 ttcccagcag gaccattggc aggagcatct aagacaagca ctccacttac tcccaactgc 480
 tccacagact gatcaggg 498

<210> 30406
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050a03d1
 <400> 30406

ttggcacgca taaaaggga ttattaaaa tccattcgat gttcaaatgg taatagtaga 60

acaataaaaag ggccaaacgc cctaacaatg gtctaacata aaagggaaaa aacaccaaag 120
 aaaaacaatc actgtctgga aaaccggact tatttttcgca ggggcataat aaagacactt 180
 aagaaaacta ctcttcttca tcttctctt tccagcactt tagagttgat ctaggggaac 240
 cacagtcaca agttttggca aatttttggg agacaagaga accaccatt ccaagccctt 300
 tgtgggtcct ctttttcgca cagtatccct taacatccag aaaacacgtc tgatcaaaca 360
 acttgcttgc accatccaca tgaactgcaa cagagaactc agttgggaga aaacatgcc 420
 ataccctctt aacca 435

<210> 30407
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050b01d1
 <400> 30407

aaggggcccga aatcaacaat aattaagaac aattattatc catctataga tggagagcaa 60
 aattaacttg cttttttaaa tttgagcttg accttaccga ggatagaagg aacataatat 120
 aataactaat tacactgcat ccattccggg taccaccagt gattaagatg aggggattca 180
 tagaatacac ttgctgggag cagggcggag atgttctcta tcatctgggg cgtgaaaacg 240
 tcgtcgtcgt ccagcggctc gaaattattt atactctcca tcgaggaagg ctgttggtgt 300
 tgttctctct cgtagcagcc ggcgaggctc atattttcgt cggcgactgc gggaggaaca 360
 acacaattca cactgtgaac attggcctcc tctctttga tgtgatcgac agaagaggag 420
 gaatcagggt g 431

<210> 30408
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050b03d1
 <400> 30408

aaaaaacaac ctttctaaa aaagtttaa tggtttaaca accggcaaca aaaggaaaga 60
 aaccgggaac aaaaagagca agccaatttg ttcacgtgtc agcctcagag acagcccatg 120

ttatactttg tggttttact cgggataatg gttgggtccg aatttcattt ttcatttccc 180
 attttttttt ttgttttttg gtgaaatttt aatttcccat tttgaaccat aatatttcaa 240
 actgattttt gttgctttgg attttttttt ggggagaagg gagagaccct tcaatcacca 300
 cttattttct ttaacaagaa accaagcgtg aatccaaaaa cttacac 347

<210> 30409
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400050c01d1

<400> 30409

acaatactgt ttaagttaca ctctctctt gtataatgaa tcaatatttc aaaatttgtc 60
 aacgtctctgt atctctccaa ccataacatg aaaactgcag aaatttgaga tgcctaagct 120
 aaatcagtca ctcaatcatt agttctgac cctttagaaa ctgtacattt caaaaacact 180
 aaaaaaaaaag gcccaaacct cttaaaccga gtaaccatcg ttccaattgg gcttgggaaga 240
 aggtcctcca tgctcactcc gacttctgt aaatctatat aaggacagct tgtttcggac 300
 tgtttcttaag ggccctgac tattcccatg cctaactcgt aaagatattt catccccaat 360
 caagcttgaa gttgaaaagg gtctgttctc catttcttca agtggaccgg aactgtattc 420
 catagtgatg aaggaagaag cttgcccgta agttattcga ggggttagcc ctcccgcat 480
 ccaccaactg c 491

<210> 30410
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400050c02d1

<400> 30410

cagtagcatt aaacttgaaa gaaattttca catattttga caattacaag gtttagtttt 60
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 ggatcaagag aatagttgga tcaactaatt cagagggtgc cctgcattat cataagtaca 180
 tacctaattc ttgaaatggc cagcaagcca agtatgtaaa agaaacttgt ctttggtgta 240

catggatcat ctctgagctt catctgaaga agtccaact gaagtagctg ccatattgct 300
 cgttgaccca ttctcaatgg gtggaggcac accccatttg ccttcagact caaggggctc 360
 aaagacatga acttccgcat ctgacagttc tacagcaaac tggtttg 407

<210> 30411
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400050c03d1
 <400> 30411

gtataatagt tatcatttca taaataagta ttcagcaagc aatttatgga tacaaaaggc 60
 ggctccgata aaatttaatg ttattaagca aacaagggga aaaaagaaaa agagtagcag 120
 agtcggtttt ccacgagacg agaagagaca cgcaactcga taagtatcac aaaagattac 180
 agaagaaaag gaacattctc ttctcaacta tatectatgt gttgctgttg ctgaggtggt 240
 tggtaaccag gataccccgg ataactgcc aacatgttgg gatcctgtcc agcagcagga 300
 gcatacccat aattttcata accttggtgca gcatacccat agtatccacc accagaacca 360
 gcaccacat tccactggtt tggatctgcc tgagcctgtt tgttngaagg actgcgggccc 420
 catgaaagac gaacattttg accacccaac aggggtcccat ttcacacccg gagggcctt 479

<210> 30412
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050d02d1
 <400> 30412

aaagttctaa aaactcacia tactcggaac tgaaaatggc aacattgcta agatttatta 60
 tgctactaaa aattgaacat ctctttggca acaaacattg gacacatgaa aaactaagtt 120
 ctcagctacg atgaataaga ctttcagtgt ttgacggagg acgcatcagg gacctgacca 180
 ctactggcaa tcaattactg gttcgggctg gctgatttca cattactact ccggagagag 240
 ggttgcgacg cgaccacggg ggggagttt aggaccctgt ctccccttag gatcccaatc 300

ttcaatggtg ttatggcgtg attatacttt tgagggtttg cacagtaatc ctgatctgca 360
 tgcattttta gcacaaatth tttgaatata ttaaaatttg atttttgcag tagatcatct 420
 gatagacgaa ggtatgttac ttcgaacatg cttagttttg 460

<210> 30415
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050f02d1
 <400> 30415

ataaatatta taaaaattta aaaactaata actgaactat ttttagtggt tgcaagagag 60
 gcaaaacaac tcaccagaga tcaatacctg gaaagctatt tttaaaaaat acaatggcac 120
 acaagattac cttcctaaat ggaaacaaat ccatcgagat ctgagctgat catctcatgg 180
 gatctcaatc tcacaaaagg atggatactg caatttgaag ccttaggaaa aggttaaacc 240
 cgactttctca actaagcatc atttcctttt ccttgtcttc attttattgc ctatttgcgt 300
 tagatgaaca tttggtgaac ttgctgctga gccattgata tccagctgtg cttcagatag 360
 gggttctgac aaatgcttcc tttttctaga gtttggggtt tttgattttt ctccactgaa 420
 ctccagagat attaattcac attccttctc cccctcattt tcagctctgc catcagtaac 480
 ttgctgtgaa gcatttatac ctgaattggt t 511

<210> 30416
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050g02d1
 <400> 30416

gattgcacaa ttctaagtag taatatatat aaccactctc aaagactatt cttggatttt 60
 caatcataca gaaagaaaat gacaaaatat tccaaactca aactccttac ttatttcata 120
 aacgctgcc a taggtttaat ttcataatag aagaaagggtg gtagctagtg gtagtgggtt 180
 aaaaccatga atcttgatct ggtccttctc aacaaggcga gcatgaatga ggaagtgaga 240
 aacgttcttg cgctgatcac cctggagttg gataatcttg ccaagctcct tgtcatgcac 300

aacattgcc a ttgcagcaga actctttctt gaggtctttg aggatcttct cgtagctgaa 360
 ctctttcttc agcccttgca ctgaggtcag actcttcttc ccattcctct gttgtatgcg 420
 gatatgcaca tactcttttg ccccgaggagc atctgtttct tttgccttcg caaatgggtc 480
 gaaagtgtc gtaggggatc tga 503

<210> 30417
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050g12d1
 <400> 30417

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 tttcttaaca tcaaattcag atacaagcac atacgattgt gatttgtgag ggatttctat 120
 tgcacaaaga aataattccc tcgccaaaag acttggggta atcaaaagtg aaaaactata 180
 gaactaacct caaaaacttc ataacagtgt ctccgaagaa ctgtcagcgg caggaaagac 240
 tattatagta ttattaacag gtaattttta tgaaaaccaa cttcaagtgt aaaagaacct 300
 gtacggctgt actgaaagggt gtatcgtgac ttcagcttaa aaaaatgggt aagggttaatg 360
 aaaactgact taaagacctg tactaaatgg tgtatcaaga cttcagttaa taaaaatctg 420
 aatcaaatgc ttaatccaat tggctactct tccatcacgc tggcaccaag tataaaagtc 480
 acagaagaac aattgccgca tgtgggattg aacccgagtc agctt 525

<210> 30418
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050h01d1
 <400> 30418

catattattg gtggtaaaat aactttgaat tcaatcaaca tgctgttcga ttagctatgt 60
 tcagccaaaa aaacaaacaa ataaataaaa tccaaggttt cgggttaaac tataaggtta 120
 gaaaaggaaa aaacagatcc tcgataaaat ctttcaccac ttgagaaaaa aatggctaata 180
 cacatgttaa accccatgca atacatgccc cttatgacaa ttgatgcact attgaagaag 240

ccttaaccga ccaccctatc aaacaagggc cc

272

<210> 30419
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400050h02d1

<400> 30419

atatgaacaa aaaatcttct ccattgctcc tatttttagac gaggaacaga ggcaatataa 60
gcaagtataa gctgtaagca tcatagcact aagagcttat acaataatat atacattggt 120
aacaatttgt atcatcatac agtttttcta tgtttaactc aaacatacaa ctttatttca 180
ctgcaagcaa tcacagtcac agagctcaac acagcatttg attaactcaa aacaggccag 240
ggctgcacat atctgagtgc aaacgatggg gcaactggtca ttcacaaaag tgcaagtctg 300
caacagacac atgccacaac aggtatcagc caatcgacca caacaattgg aagcagcctt 360
ccccagtagt ccttcagggtg ggtttgcttc ttttatagct gggggcaagt tctcaacagt 420
ttgcttttaa gtcaccaaat ccaagattca acccttc 457

<210> 30420
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400050h12d1

<400> 30420

aaaagaacat gccaagaaat ttatggggat tatggaacaa atttttgaaa tggaaaccat 60
ccaggacggg tgatacaaaa attgggtgag catttaacaa tctgacaatg tttcaattaa 120
gggaagctcc aacacatgca agccttacat ttttgaaggg aaaaagtttt tcacacttca 180
geaggaatcc aggtcacggg aggggggagg cttgggctca cttacaaaag gagggttccc 240
tccttcaggg ccactcttaa ttcggggggg attttgggtg ccgggcgggg gcttctcacc 300
ctttctcagc ttttctacta tctcaactac tttctttggg ggtacatctt caaaggaatt 360
ataagtatat ccctctgatc catttgaata atcagccact ggaatcatag gagcattcac 420
acaggatccc atgcattcca ttttttc 447

<210> 30421
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051a04d1

<400> 30421

atagnactag tttaatatg taagcagaga ttcataattc agattaacta gccgaacttt 60
 atacagaagc gaccaattac caaacattta tatatatata tatatataaa aaaaggcaac 120
 catgacctta acacacccat cacaagtcca aaacacttga acttgctcaa gggcaagaaa 180
 tgaccacttt attctaaggg tgtttgttta gacacaaaac accagagtgc aacataatac 240
 atactacata attttgaagt tttgaaacta catatagttt ttatcattat ttctaagggc 300
 catttctgct tgaagcttta gctctccaac acctcacttg caagtgcagg ggttgccagg 360
 gcagttagct ccacatttgc agccatcggt ctcagcggga acacccattt cagcactctc 420
 gaattgagcc ttaactggtg ccactcccat gaccaaggtc tcggtggtgg ttgactcggt 480
 gtagctcaag tctgggtaca 500

<210> 30422
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051a06d1

<400> 30422

caaaggaata ttattactt tcaatctgtg cttacataat aattataatg ggaaaacaca 60
 attatttctg gcagaatata gcaaataatc tctccgacac attttgcgtg tctacaattc 120
 tttccattgt atcatagtaa attaaataaa tgtgtaaggg ctcaatcttc attgatacaa 180
 gccctgtaat acatggggca atattcagca caatagcctg acttgactat gtacagtata 240
 cacagtcttt gcgcaccaa attctcttat ataaatcttt gtttttggcc aggcaatgca 300
 tgattaggcc ttggcaatct tttgaggtat acttgaacaa ccagaagaca aggagcacca 360
 attatgaact tcaaataattt tttatatact gaacctata tgatctaaac cacacgtatt 420
 tggtaaattg ctgcatcata gggctctaac cgcataggac tcacttgaca gc 472

<210> 30423
 <211> 572
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051a07d1

<400> 30423

gtataatntg tttcccttag gttttcaaca tattagctca ttgaatatct atgacagcag 60
 caacaaattt gaatccacaa caaacaaaaa ttgaaaacat gtatcacaaa aggtaaacaa 120
 atccacagat ctgattcag gatcaaagaa tcgtttgcac cttgcacca attaaccagg 180
 cattggacgt ctaactcctc tttgttccaa aacttgaacg agcctcccta tgatgctatt 240
 aattcggcct cagtgccgtt taggattaaa cggtaggatgt tgtgagttgg ggacttgaac 300
 atgtagtcga aatggaagcc attggaggaa atgaggatga tggtaggctg gactagaact 360
 ggattagtga aaccagatc tgtactaaac attgagaggt acaatagcat agtttttaggc 420
 tgaacaaatt cattacggat acaaaactag atgagaacat acgaatctca taattcggat 480
 tttgccaatt ggccattttc agttacagct tccaagttcc agcctctttc tgctgctcct 540
 cttttcaatt catttatgcg attttcaact ga 572

<210> 30424
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051a10d1

<400> 30424

agcaattata aaaattttat tgaaaagatc aaaatccaaa ttacaccaag ttcatagtaa 60
 taataataac taataacaat aagttaaacc caagataata ataattatga aaaaaaaaaa 120
 agagagtacc ggaaagaaac aaggtaggtgg ttgttatagt tttggaattt cccaatgaaa 180
 cgctcagtta tggctgctct tgatcatggg ctttctgcag aggatcatgt gcatcggcga 240
 gaaaatgccg gagtcacccc ctctgggtcaa atagtcagcg gtcttgaaga gcatctcatg 300
 aacatcgacg gtccccttgg gcgcgattcc caaagcggcg agaacagtga ccacaatatg 360

gttccgccag taggcgatcc tacccatctt caatcggctc caccatgggt gagccggcgg 420
 cttagccaga tcccgtctct tcacaacagc aaaccctacc ttacgcgccg tctcggctat 480
 gtcggtgtag gttctaaggc caggcaacgc gttccccc 518

<210> 30425
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051b01d1
 <400> 30425

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 ttcacctgcy gtgacattgc acttaaaaaac tgaacacgaa atggagaaat aaaaaggaac 120
 aaaacggtaa agcaaaaatt tctattatctt acagtgaata gaacaatcca taaaaatctt 180
 ctgtgtgttg ctatatatgc tactgctctc tacatcctac aaagatgtga gattaaacta 240
 aaatttccat gtcaaagaat gaacatctca ttctaacaat ataaacattt cttcatataa 300
 tcttaatgtc aaaagtcaat agcaaccttg ttaccacttc caatcccttg ctagaaatgt 360
 tctgtttctg tttcgtcagc agtcaccgga aagaaactca agatgacatc tgcccccagg 420
 tcaaaaaatc accaatccaa aaaatgtaga ttatatctgt aaatatgtac gtctaataac 480
 atcatgaaca aatattttta atcatccaca gtgaggcgag tctgacgatc accagttcca 540
 tcctncccaa atgcagatgc 560

<210> 30426
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051b03d1
 <400> 30426

gaacacaaat tataagttgt tatttaaaaa gcaaaccaac aacgcaacgg caaagcccta 60
 aaactcgctg cgcttaacaa aaatgtaatc aggggttctc acaaacacaa cacattaata 120
 cagaatgata aaaggagtct tgccaccgtc gatcaagaac ccaattctgg gaacaaaagt 180
 tgcgagatga tgggtggagac ttcaaactat gtccgaaaaa caagctacct agaaacgaag 240

acacaagggc aagaaaccaa catttattgt aaccataaga aacgacatcc cctgatgaac 300
 caaaccgcac gattcacttc ttcttctggg cagccttggt gaccttggct ccagtaggat 360
 ccttcttctc cacgttcttg atgactcca cagcaacagt ttgacgcata tccctgacag 420
 caaagcgacc aagtgggggg tactcagaga aagtttcaac caccatgggt ttggtcggaa 480
 tcattctaac aaaaccagca tcaccattct tcaaaaac 518

<210> 30427
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051b05d1

<400> 30427

acaagaaaag acaatggttg atttgctaag catattatat gggggaaaag aattacaatc 60
 caaccctgta aatgttttgg ttggggaaaa aaaaaagcgt taacccccac ttaatgggtt 120
 ggccgaacaa gccacgaaaa gttttccgga aagaaaggaa ggatcccaaa ggggaccggg 180
 aacatgtgga gtaaaacttt ttttttcttt ttccaaataa ttaaagatct acacagaccg 240
 caatgcaaag ccaaacgggg atgacaacaa cctaaactaa gggttctcca ttttccttcc 300
 caaatttggc ttaccctcaa ttttttatt 329

<210> 30428
 <211> 564
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051b10d1

<400> 30428

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 aacccatctt tgatcttccc atacaccca accacatttc ccctttctct attatttcaa 120
 taaacaaaat taccacacaa atgatataag ttcaattatt gaacaacttc attacaatct 180
 tttcaaactt cttttccggg catcaatctt cttcttgtca gcctgagctt ttgctactcc 240
 acctgccttc attggtgcag cagcatgaac catggatgtg gcacaagaac tgtaacagc 300
 tggctcagct ccaaccacag cctgttcttg cttgtttcct cttgttgtgt tgctagttga 360

gggggccaat ggtgattgca atggcaatgt cgcacccgat ggtgcagttt tgactttagc 420
 attaagaact gaggtgttac tctgatcaac attcagagca gttgtagatt cagatatagc 480
 ttcagttttg aatttggact ttgtgtttgc atggattcct gtgtaaagtc tggcatgtct 540
 ggcatactcc tcttaatttt caag 564

<210> 30429
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051b11d1

<400> 30429
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 ctgtcatgct gtccaattgt ccagcgtgtg gcttttctag atgaacagat aaaaacacta 120
 taactaaaac taagcattaa atatggaact tcacttgtag aaaaaagata tcttctgcat 180
 ataaatcatc aatgagttgg ccaagaagct aggcattaat aaagccatgc cagtttcatt 240
 gctatactca ttcccctaaa actctaccgc tcagttaagt aaagaagcta ttcattgtaga 300
 gcagagaggt cattagtaca tgctacacaa aaatggcttc aaactttgca caaggatggc 360
 tttccaagtg actcctgaaa tccgcacccc ctttgaagct gaagtaataa agtgcttgctc 420
 tttgtgtcaa accaactggg tatattttgt agagttttta atcattgccc cctctaaaaa 480
 cttcaggtct ttctgtcttc catataggta catgattcag ggatgtgaac ttgaaacaa 540
 ctgcagactt ca 552

<210> 30430
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051c01d1

<400> 30430
 gcatataagt ctcgggggta atttttgatt ttgcaaatta gacaatcaca gccgtacatc 60
 acacgtgagc tgggcctctt ccaacttaaa agcagaggat aacattggcc catgacgcaa 120
 cacatgcacc acctaaataat cataatttta catgtttaca tacaaaatac aaagacttta 180

aattaaaatt aaaaaaaaaa agataaacag atcatcttga tgaaatgaaa ccgaaaccca 240
 gaaacattgg tttgattttt tttggtgttc ccaacttgat taagcatgaa cggcttgatt 300
 gaatcacttg gacttgaagg gaatggccct gattacgacc tgggtggtaga gtgctgcaag 360
 tgcagcacca atgaaaggtc ccaccagaa gatccagtga tcatcccaac caaggtcctt 420
 gttgaagatg atagggggcac caagactacg agcatggttg ataccaacgc cgggtgatagg 480
 gatggttgcc aagagaacca agaacacc 508

<210> 30431
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c02d1
 <400> 30431

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 atattctgca gcaagtcaca tgagacatgc caccttattg catgcacttt cacatgcaaa 180
 aaacaaatac ctacacagtg caactagtgc taaaaaaca tacatgcttc agggtttgaa 240
 acqacaaacg gcaacacact ttcgccaaat aattcaacca ctgatgacac caaatttcct 300
 gtatcaatgt catccttcca agcctgagca agagtggacg acaccttcct ttgttgatct 360
 ccaacctccc tccccggcac gttgtcgatg gatatttgac gagccattga cattgaagaa 420
 acccccatca tggaggaata tccacctgtt gaaccttgca tgtcaactaa catggagtgc 480
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 tgctgctgca tc 552

<210> 30432
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c03d1
 <400> 30432

ggtactctta atcgaagttt tattgtaatc tttaccaatt gaaattttat gacaccaacc 60

catctatccc attttcaaaa attacaaaaa taatatacaa cctcaaataa ccatagactt 120
 tcaaatctct aagctatcta agaaactaaa atggttctat gcaagggtata aacctatact 180
 agagtaaaat tccttctttc tttaactaa gattttatca ctactcccaa gaaacaagca 240
 catggattag aagaaaatat gagagacca tataaccaat gtcaccaact atgatctatc 300
 ccctcttcaa tgtcttattt aggccacaaa gtctggtagc aattgtgcag caaacctctt 360
 cgggttctgc atgttgatac tctcaaagtc tgctgaattg tgagaattgg aattgttcaa 420
 ggcaccaaac tggtttggtt caccaatg 448

<210> 30433
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c05d1
 <400> 30433

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 tctttctaca tgtagtgagg caaaatggat ctgtctctat agactggaca aaaccaatgg 180
 catagagaaa cctacaaat atcatatttg acaacaacac ttaatccgtt gaggaactgg 240
 tttcagccgt ttcactctca ctaaagctag atggcatctc tgcagcagac ctttgacttt 300
 ttcttggttc caactcagca acagatgatt ggtaaacatc atattgttca agtggatcaa 360
 ctttagcccg ctttgcaacc atcattttat tttgtaagcg ccctaacttc atctgggatc 420
 acgatattgt ttttt 435

<210> 30434
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c07d1
 <400> 30434

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 agcatgcccc aatgataat aatttaactt taaagagaac ttcattgatca tcaaccatcc 120

aaggatttaa gacgaaagga acaagtccaa ccctcgaaag tgaattagga agaaaacaca 180
 aggaaggaaa accatacaca gaagaagatt ccagagaaat tcaataatac acaatttttt 240
 tttttttatt ttcatttccc cccctctagt agtcagtggg gggaagctgc tcgtgggtgt 300
 ggctgataaa gacaacctcg taaacaaggc cagcgattcc accaccgatg agaggcccgg 360
 cccagtagat ccagtgggtg gtccagggtc agctcacgac agcaggccca aatgtcacag 420
 cggggtttat g 431

<210> 30435
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c08d1
 <400> 30435

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 ctttctcaca atcataaacac tcttgaatat taactacatg gtatgcaatg gtttatgatg 180
 agaatacagt catgagaatg attccaaaaa caagggatac ccactttcca tgcacattga 240
 ttttactgt gccagagttc tcggttggtg gattagtttg agaagattct gaggtatctg 300
 gggataatgg atccttatca gctttaggag cctttgctga aggttctggt gccagagaaa 360
 gtgcctttgc tgggtgccttg gccaccgcaa agaaatccat aggaagaagc accttcccca 420
 ccttatatat agcaagatgc ttatcaatat ata 453

<210> 30436
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c09d1
 <400> 30436

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 agtagtagta agcatacaaa actacaatgg catggtacat acatataata attgaattac 180

caattcagaa tttgatggct ctcaattcca cttgttggca acaatgtcag ccaaattccac 240
 aaccctttgg gagtagcccc actcattgtc ataccaagca atcaccttaa ccatgtcatc 300
 tcccatgacc atgggtcaacg atgagtcaac ggttgaggac acatcagtgc acctgaagtc 360
 aacagacaca agtgggtcat cacacacaga gaggattccc tggagctcat tgtctgcact 420
 ctctctgaat gctgcattca ctttttttgc aaggctctct ttgagacctg aacaacg 477

<210> 30437
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051c12d1

<400> 30437
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 ttctgataac catttcccag actttatcaa aaggcctgaa gtaaaatgaa atttcatctc 180
 catggatgaa gtcattgtct gccaaaaact gataccaagg tcgaacaatg catttttcgt 240
 caatgccagg gtcattgacg ctaacgctcc attgaagggg aggggcatgt tttttgagga 300
 ttgtcatatg ttaagcacat gcatcaacat aggggtacaac agagggtaga agtgccagtg 360
 gataaggggc actgagcaca gattgagtca cttccacagt ccatacatat tttctt 416

<210> 30438
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d02a1

<400> 30438
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 cagggtcaaac tgggtcttaag gggctcattg taatgctacg cacgaccgga gttcgctgc 120
 aaaagtcaca ccaacatgcc ccttaccctt aagagtgtc ctcaaagcac gtggtttggc 180
 cccgatcgtc ccaagaacct t 201

<210> 30439
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d03d1

<400> 30439

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 tcgccaccct tgaacaagta agcttcttcc tttacacat tattgtgtct atatatatta 180
 aagaaaaaat agatcactaa ctaaagattg aattaattct ttttgcggtgc agaattttcc 240
 tttttcaaca tttcaaaca gcttccatca taaacacttc ggattgtttc cttctgtagt 300
 aagccattct tgtctttggc aagtttgtaa aggactttcc attcaaccaa gccaccaatc 360
 cttcctttga aatctttggg ctctctatct gcttttagca tctcctttag ctcatcatat 420
 gttaaagcat ttggatgagt atgtgaatgt tttgtgaa 458

<210> 30440
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d05d1

<400> 30440

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 caaattaaaa ccacatcggt actggtacac atctgaacat caaacacaac agaaaacaga 120
 ccacaagaac aagaatctga agtagattct agtagtcttc atcctcttcc tggccctcac 180
 cagactcagc acccacttct tcataatcct tctcaagggc tgcaagggtc tcacgggctt 240
 cagaaaattc accttcttcc ataccctcac ccacgtacca gtggacaaaa gcacgcttgg 300
 catacatgag atcaaacttg tgatcaatgc ggccaaacac ttcagccaca ctggtggagt 360
 ttgaaatcat gcaaactgcc ctctgcacct tggcaaggtc gcctccagga acaacggtag 420
 gtggctggta gttaatacca cacttgaaac cagtagggca ccaatccaca aactgaatgg 480
 tcctcttggg cctgatgggt gcaacagcag cgtttacatc tttgggcaca aca 533

<210> 30441
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d06d1

<400> 30441

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 gcacaccctt ttgcattcaa acaaattcaa gagaaaaatt acaatgtata aaaaccaaca 180
 aatatgctat aatgctatgc accacgacaa cgaaaaaaaa gaaagaaagc aaatacgtaa 240
 atgctgcaaa cttgttcact cagttccatt atttgacttt aatatcgccc ttagcatccg 300
 aggaaagggtt tttggaggat ggagatttcc cagtgatagc tttctttgct ttcactagtg 360
 actgcttaac ctttgatatg atgttatttg attgcttctg agctggtttt gctggagttt 420
 cttttggaag gtccttggat gtttttggtg catcactttc cttg 464

<210> 30442
 <211> 52
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051d07d1

<400> 30442

ggacggtgta tgccatttag nntccgattt tgnaggnent cccggaatta at 52

<210> 30443
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d08d1

<400> 30443

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 tcagaactca aattattggc aaggtcttta tcataccaag actaatgttc caactatcaa 120
 cttatatatc acaccaaaaa ccgcgacccc aaatctcaat gctcaaactc gtgtggatct 180

ccagggttttt tccacttgaa aacttttagta ggggttcaacg ggggttacgga agttagctcc 240
 ggcgtacact gcttcagcac caagctcctc ctcaattctc aagagctggg tatatttagc 300
 aagacgctca gacctgcatg gagctccagt cttaatttga cccgtagcca aaccaacaga 360
 aaggtcagca atgaaggat cctcagtctc tccacttctg tgactggcca tgacacccca 420
 tccagctttt ttggacatcc tgacagcttc aatactctta gtcacagaac caatttggtt 480
 gaccttgagg agaagagcat tgcattgctt agtatcaatt gccttctgaa cc 532

<210> 30444
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d09d1

<400> 30444

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 ttgaatcagg aagtcaaatt tctaggtaca tacttctctt gtgtatatat acattgtaac 180
 atatttctat gatgagtcca aatttaatgt ttcaatagca tggcttccat ttgtctcttc 240
 ctgcgagcat gttttagttt ctccaatgca acaagtccaa cttgccttac tctttctctt 300
 gacaaaccta tccgtttact aatgtcttcc catgtaagac cttctttatc caatccataa 360
 taaagtcgaa taatttctct ctctcggtcc acaaggggtca cattaatgag tttgttcact 420
 tcgtccttta gtgccactc gtctactcca ttccatggga tgttctccac tcgatcatcc 480
 gcaatataac tatgatgagt ttctccttgt ataccattca gagaggggaa tgcttctcta 540
 tcaagcgaga tagttttgct ga 562

<210> 30445
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d12d1

<400> 30445

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tgatgaaaaa acagtacaac tattgggaac aagctcgaca aaacagaatg aggaaaataa 120
 ttttagcact ctagaaaact agctcatggg gttcactcc tgccttcaag gaaaacctag 180
 cacccaagta agacttgagc tctggaacac tctcaatggc ctttaacaaa gcagtgtcca 240
 cggttttttg gtcactcttc ttttcttggg gaagcacatt tttctctcc ttctctgcct 300
 caaagaattc gccttcgccc tttgttttct ttttcttagc ttccttgga aagtacttgt 360
 catcaaattt atcaacattg acatcagaga tatccacctt tgtggatgta ccaataacat 420
 acgattgggt cacccttctc agaggaaccc cattgatctt aaagggacct gttacaagaa 480
 gcaatccaga tggaagctgc ttcagaaaaa 510

<210> 30446
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051e01d1
 <400> 30446

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 aagctctaca cagagctgca ttttagaatc atagttagat acacattctt cacttccact 120
 ttttgaaccc accaccatgc ttgccgaatt tgccatgctt tccatgctgc ttgaattttc 180
 catggggcat gtgagcacca tgtgcagcat attggccata ggagccatgg gagccatgag 240
 agacatggtg agcaccataa gcagcaacag ccgcgggagc acccccgggtg agcattgctc 300
 ccatgccgcc gtgcccatga gaacctggtg catgagatga ac 342

<210> 30447
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051e02d1
 <400> 30447

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 aacatttttt tgggaaaacc ggggggggga aaaaaaaggg ggggtgg 106

<210> 30448

<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051e04d1

<400> 30448

ccaaaaaaa aatatgtcac attggggata tccctttttt taaaaactta ttcttggtt 60
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gagaatttac acgttttaca cgtcacacta aacgacaaag gcgggggttac agaatttaga 180
aaatttagaa accctccgaa gtccgaacca aatccatcac cacctctatt atccattccc 240
tgcttgcggt cccatcggcc aatatttaca accattacac aacctcgcca c 291

<210> 30449
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400051e05d1

<400> 30449

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gcataaaca atccaattcc aaaatttgag aaacttgga aacaacaaca taacataaac 120
ctatcaacac cagcgcaac ttttgattac cgttacatta atcggaactc aaccataaa 180
aatgaagcaa tatactctcc attttcta atagggacac aataacaata ataataatgg 240
gaaatgtctc cctcaatttc acaccatctc tgcaaaagga gagtgaaatt tcaagggacc 300
aaaattacag ggcagaagg gcaggtgctg atgcaataat ggcctctgac acgtcagaaa 360
cagggccagg ggcagctcct gagctcacia gttcaaccat ggcacgacga gggttggtct 420
tgggcttttc acacagttct ggcaaaaata ccccc 455

<210> 30450
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051e06d1

<400> 30450

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 ggtaaagaac tcagggtggg aaatgcatca aaaggaaaaa ccgtgaccac catcatgtga 180
 aaaataagtt catggcacct acaagatccg aaaatggcat cccaatagtc ctctgccttg 240
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 tactgcacaa cccagatttg actgagcctc agaagaaagc ctttggagca aattatcacc 360
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 tggatgatga tctgctatct catctacat tgcaaagggt ctactaatca acacgttcac 480
 attcattgag ttgggagatc gtttcaaaag gacattttgt gatgggtgtg atgcaacagt 540
 gtccatgttt 550

<210> 30451
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051e08d1

<400> 30451

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 aagccatcaa aatcctagtt ctcaacctaa ataattgtca ttctcttcct tcacaataaa 180
 atgaaaagta acatgttttc catgtaatta gctcaaccac caagtgaaac caattttggt 240
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 aatacaatag agaaagcagc aacccttatt ggctctgatg agttcacata tataggctcc 360
 aaaggaggaa tgtcaccatc tgagtttaca ctgagagctt ttccatttag taccattggt 420
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 gcaagaggca gttccatcct ttttgaatga ctagaca 517

<210> 30452
 <211> 596
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051e10d1

<400> 30452

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 aactcttcta attaaggcaa accactcaat agcagtaaga aaataaaagc atgcacacaa 240
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 ttccacccca cattgtttga gcaactggacc agtttgcttg ggcaagaagg gatcaatcct 360
 gacccaaatc aatgagaaaa tagatgctag aaggattgac cacaacacta caatggtagg 420
 agtcctgttt tgctttccca tgagaccttt gaggaagggt tacaagtga caatgaccca 480
 gaaggcaaag aacagcttcc caaacaagg tcccatgaa ccatatccat tgttgatggc 540
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<210> 30453

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400051f02d1

<400> 30453

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 aattgcaaaa tgagaacgtg gtggcctaag gaacatggat tctgacctta tgacatgact 180
 ctgctattaa tatgagctgc aataaggggt ccaatattcc cctccagaac ataatttagg 240
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 ctccgaatth cttcttgcca taaattgaca atgttttctt tttgtatact tttatactt 360
 gcaactcctt gttcctttgt tgtcactaga agtttagctt tcagtctgtt tagtgctttc 420
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<210> 30454
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f03d1

<400> 30454

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 aatgggtgttt ttgtgtcaca aacacatgaa taaaactact caacaatagc ataaaaatga 180
 agtagatgac tcaaataggc catcactcaa aaataagaat gactcaaagt tgatgaggtg 240
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<210> 30455
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f06d1

<400> 30455

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 atgtctgttg aaaaagtcca ggtcttcttt tattgccatg tatccataga gctgtcgccg 180
 gccaccaggg agaaataatc tacggtgggtg actaaaccaa gcatctcggg cagttccttg 240
 ttctgcaaag tgcttgtgta gacgctcagc ctcaagataa cctatagctg atgcttcaaa 300
 tatcaaaacg ctcaaccccc gatgaccctg gggggcataa gcgtgtcgag ctttcacagc 360
 atcatatgcg ctaaaataat taagaagctc ctgggttacc atacctagcc acttatcatt 420
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 atctttctcc tcattcttta accttttcac tt 512

<210> 30456
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f08d1

<400> 30456

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caagaaaatc ttgttattag ccttgatggt acacactccc tttggaaatt atattttctt 240
tacatgtttc cccctcttcc tctttaagcg aagatttgtgt attagtcttc ttctcaacac 300
ttgggaagat cacttgaggg tggaagtaga gattcatttg gtcctttacc attgtccacc 360
acaaatgcc a tcttcaatcc ccatgttgaa tgaatttcca aatggcaatg cataaaccaa 420
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<210> 30457

<211> 513

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400051f12d1

<400> 30457

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actccaacag ttcagataaa gctccatagc tgctcttctt aggtcaatta tggaagcttc 120
acttgaaatc atagccctta tttcttataa actatatata cttctaataa ctaattcaaa 180
ttaatagagt atttgagctg tttatttgga aggaagagcc cccaaaactt ctcatactct 240
ggctgcttct gattttcttc aaacatggca aacacataag tttcaagggg tctaccaggc 300
ctttttggtg ttccttgctt cacattccga accaagtttg tgttgtaagt tcttgcat 360
tcaagtgaag ttgcagttcc accagaagaa ggccatccac tctcagacac aactatgttc 420
agtgaccatc ctccagattt ctccaacgca gcataaacag catcaaccat agcatcaaaa 480
ggttacggta cncaagtga ccatcttgca cta 513

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<210> 30458

<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051g02d1

<400> 30458

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tgaagtccaa gattcgtaat tgattggcta gaagttcatt aagtagaaaa ggtacaagta 120
ataatcatca ttaaaaatag tgtccaagac tatataaacc acaaacacaa tttagacaaa 180
ttaatgttgg atccttgggt tactgtagca tgtgtggcaa gatgatctta gtaggagtaa 240
cctttgacga acattccccg agtggcttcc tcagattcac cctcggcagt gtactttcca 300
agctgagcga gtgagttgga cttggcacgg aaaaggagtg catcttgagc agccttcacg 360
ttctcagga gtccaccca tgtcttaagc aggtgttttg gagagctctg gcgtaggaga 420
aggacacgtg ccatgggttt ggagactggg tcatagcatt caagttcaag gttgcttcaa 480
cctcagattg tccgccagac agaaacatga ttccaggac agcaggtggg at 532

<210> 30459
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051g05d1

<400> 30459

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aaaactaaaa cagaagcatt ctaacacata catatgtcca aaaatcaatt acaagccaat 120
tttcttaaag gaagaaaaca cagtcacgga cacttagcag tatttgcta tatcccaatt 180
aatgctacta ccagcagaaa acctaccctc cctaacaacc ccatctattg aataaaaaaa 240
ggaatctgaa aaacaaaaac accaaccgca gccaccaatc atcttcatct ttccaaccac 300
caactcaagc acgctcacca cgaatccttc ttgccagctg aatatccttg ggcataatgg 360
ttacacgctt ggcgtgaatg gcacacaggt tagtgtcctc aaagagccca acaaggtatg 420
cctcagcagc ttcttgcaat g 441

<210> 30460

<211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g07d1

<400> 30460

aataatataa ataatcaagc tcaaccctgt ggtatggtct atccagtga cgaattttac 60
 taacaatgtg aattttcaca actctgcaag taccttgtgc ggttgtgcct agaactaagc 120
 atacttgaaa cgacttcttt gttgtctgga acatcttgtg attgtacggt agataaaaac 180
 tctaattccag atccagagtc ttcttcaaac tttcatagac cacataagta atgcttgcag 240
 ctggcacaac tttgaggaga tttggaaaga gtcccttgta gaaacctata aagccttcaa 300
 gctgaaaagt tctccgaaag gcatcaaaca ttcccttgta agcatcggaa gtgttggaag 360
 gttgtgcctg cagtcttgtt cgaataacct gcaatggata gacacaagta gctccaacag 420
 cccagaaat tgtcccat cctagttgta ctaaaggacc aggttcacta tcctgaagaa 480
 tatatctctt ggatatatct ttcattg 506

<210> 30461
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g10d1

<400> 30461

atgtgggatt tcaaattaat tttattcagg gtacttgcaa taactatcga taaccgtggg 60
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 cttagcagtt tcctctcca taacattata catcatgtaa attatttaca tacacactat 180
 actggtgccc ctaccatggt taggcatcca tccttatatt taatgggttag aaacatgtat 240
 agcagctaca gttgagacca tcgagtcac cccacatata ttgcgacctc tgcagatctt 300
 gtaatatcct tcttctcccc agctctcccc ccatgaattc tttatgatcc agtaaggctt 360
 ttccttaaaa cgaattggag cataagcacc agatccatag cccacaaaaa gaaccccatg 420
 atccaaatgc ttgccgcaga tgtatgggca tgagacgcca ccaatatatg tctgcataaa 480
 aactgcattg ataccaact 499

<210> 30462
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g11d1

<400> 30462

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cactttgcta agcatttatg ataccttgct ccaaattggac acgggacacc actttatatt 180
tatttttcca acttattcgt atttaagaaa actacattga aactcaacct tatgctcgta 240
attaaaaccc atttccaagc ataaaccact gctgcatgtc gtgtcggcat ttggactgct 300
agctgttgac ttattatttg atgagaatgc atcttatggg tgatccctca gcaccagcca 360
acctaagagg taagcaatgg accgtatata ttctgtgtgc cacatcatca agcttcaagc 420
cttcacgag aatgatttcc ctgcctttca gaaaaacaag gtgagctgga 470
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<210> 30463
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h01d1

<400> 30463

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tgttcccagg cccaccgtag tagaagtagg tgccccattc gttgctgtag tagctcttaa 120
tgtcgtaaca gtttgtatgt tcggctaagg ttgagatgcc ctgcacagaa ctcagattgt 180
tatccgtgtc tacgggtctga aggttccgga agtagcttgc ttttccgaaa ccatcttctg 240
cgaagtgcc agagccatt tgggtaaagg tgtgttgccc gttgggtcgt gagttcacia 300
cctctcctcc ccaactccacc atcgtggcgt ggtctgctaa gtgtgtgaat agctctgcgg 360
gccaataccc taccaatgtg ttgtcaccaa aactcatcca ccaattcccc acttttggat 420
ccttccaatg aggattgtga tgtcatattg gttgccatca taagaagaga caggagaaat 480
ggcagct 487
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<210> 30464
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h03d1

<400> 30464

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 taaaattcca gatcaataag gattgcggcg aagccgcaaa gataacaat tcattagggg 120
 aaacaggagt ggggaaaaat aaggggggag gggttgagga agaatcaatt gctcacagag 180
 catgctaaga cacctaaata ttccacacac agttattgaa acaacccaat atagagaaaa 240
 tttttctttg gtgtattata atataaagca gaaccaaagc acttggaaga ttctactttc 300
 ttataccatt cacttggtgca gttcggttgc gatgagtttt gctgcggcaa ccatgtttgt 360
 gagggctggc ttcacctcag tgtacttacg ggtcttgagc ccacagtcag ggttcaccca 420
 caagatgttc ttctcgagca ctgccagcat cttgttgatt ctgtcagcaa tttcttcagt 480
 tgggtgttatt cttggggagt ggatgtcata gacaccaggg ccaattccag caccatactt 540
 cacac 545

<210> 30465
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h04d1

<400> 30465

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 gcataaatct tgagagaaca tttttttttg tttcatcata taaaatatat atgttctgaa 120
 agaacacata caagtacaca aaaaaaaggg ggaaattcat aaaaaaatac agaaaaaaaa 180
 aaaaacagaa ttgagtaaga gggaaggaaa catagagaaa attttagcaa tcagataata 240
 agaagccagt agtagtgcaa aagtccttg ccaagagtgt tggaaccctt ttagttaag 300
 caggtacctt ctcccccttg agtggcttca ccacttccca tgtgaagtca gggcatctc 360
 tgccaaagtg tccatatgca gcagtcttca agaacctgcc atttccaccc cttttgagat 420

caaggttgat ggagatcatg c

441

<210> 30466
<211> 421
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051h05d1

<400> 30466

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caaaaaaggg ggaatggaaa agaaggtagc aaattctatt tcccctaaat ggaatctgaa 120
agggtcttgc ctgataagcc tatcgtgata tacatttgga atattatcag ggctgccaga 180
aagttgagat tgatagctag caacttctca gtgacttgca ctttaagttca gattctgaac 240
aaccagaaat ggttcaaatt tacaactgac gggagatgaa agggcaactg aaataaacia 300
gaaggcagtg ctttctctgat tgctgctaag agtgtgcttg agcatgctca ggtttgtgac 360
tgtactcata atcaagatga acaaaagcac gctcaatctc gggcaaaaagc tcaagctttt 420
t 421

<210> 30467
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400051h10d1

<400> 30467

aaaaaaaaact ttcttccttt tatttgaaac aaataattac atagatggat taagccaaga 60
agtgcagtat gggagaaaaa taaaatcagg gggctctggg gaaaactttt tcctctaaaa 120
atttgatgaa acgttcatca taaatcttgg gttcaactac tgatattgtc ataggggtcaa 180
attgcagcga tttgtatgca tgctcaattt tctttctcag attatagtgc tgcaatatat 240
caattacgcc catgtagagg acaacatcat atacctcaaa aagctctact tcttttgcct 300
ccaccttata cttatcctcc tgaagcctgc gagtagcttg agctggcatg ttactccaa 360
gctgcacccg caaccttgca ataccgggaa gtagaagatc aacttcatta tcacccatgg 420
agtatgctct caatgtgttc cctctaattg ggggtccagg agccgtgttg actatactcg 480

gttcatggga aactaacagc aagcctttat gaagaatcaa gagctgccct tcatctncag 540
aaggtaaact cttctgacgc tgcactgatt catgat 576

<210> 30468
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051h11d1

<400> 30468

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taaaattcca gatcaataag gattgcggcg aagccgcaa gatacaacat tcattagggg 120
aaacaggagt ggggaaaaat aaggggggag ggggttgagga agaatcaatt gctcacagag 180
catgctaaga cacctaaata ttccacacac agttattgaa acaaccaat atagagaaaa 240
tttttctttg gtgtattata atataaagca gaaccaaag acttggaaga ttctactttc 300
ttataaccatt cacttgga gttcgttgcg gatgagtttt gctgcggcaa ccatgtttgt 360
gagggctggc ttcacctcag tgtacttacg ggtcttgagc ccacagtcag ggttcaccca 420
caagatgt 428

<210> 30469
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052a01d1

<400> 30469

aaccaattcc aaccctggta atatcaattt tttaaaaaat ccaacattgg cctgaatagg 60
ctaattttgg ggtccaaact aacaaacttt tggaattccc ccctggatag gggcctccat 120
cactggataa gaaaaaacg gggggccggg ggctttcaac attcaagagg gggggccaag 180
ggatcaaaac tccctttggt gggattatac attttacagg gttaacaggg aggggcattt 240
aacttttggg taaacgaaag cttttgtttt tgctcccccc acgaaaattt ttcccggggg 300
caattaacaa cgccctgggt catcataatt aaaagggggc ccccttttaa actgggaatg 360
ggcactcttt tggcctgtat tgaggggggt ttt 393

<210> 30470
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052a02d1

<400> 30470

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 tacataacct gggaaactaa cagcaatcaa atatgttcgc catttggaat tggaatttga 120
 atacaaatac agtgcacaa taatataacc ctatgtacac agccaatata tgactgaaat 180
 ttgatacaga atagtatcaa tttgtatcat aataaaatgg cacagagaaa tttatgtgaa 240
 ggtaaagggg aagtgtatca gctgggtgtt taattcttcg tctttcattt acttcatcat 300
 tggctccttc ctgcacgttc acatttcctt tatctgctta agcactgctg accttgttct 360
 tacgccccaa ggtccaatgg ggtttagccg gagtacgctt caatgccttc actccgaatg 420
 ggttgttctt gctcttgaga caagttccag cataagtgtt gcagatggga tagtcgtagg 480
 gggcagcact gtagtgggtca tcacagcagg tagcaccctc 520

<210> 30471
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052a03d1

<400> 30471

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 gcattacaat gaattgtatg taaaataaat tatttggtag ttgataaatt gtacataaat 120
 aatgtaagaa tttcgactct ggacgcaaca attttcaacg atggatgcc catagttcaa 180
 ctaaagcaga actaaaggga tgctatcttg gaagccacga tctcaagaag tccctttggg 240
 ttatctacgt gaacccaatg accagcattg ggaagaacaa agaaggaagc tttcccagga 300
 gagtcagatc ctccctgact ggctagtctt tggatcctgt caatagcgtc ttcgtcccat 360
 ctatcacttt tttcagcag cacaattact atttccatac ccttgggagg gttctccaat 420
 agattccaat aggacttttc acagtaagaa tcaaacatct ccttagcatt ttgaatatca 480

aatatccatg tctcatgac accaactttt t

511

<210> 30472
<211> 520
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052a04d1

<400> 30472

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aagacgacta aaatggcact caaacgcaag gtcgtataaa tcacaaatca taataaaaca 120
cactggaaca agcaaagctt gttaaaaggt gcaatagaat ttatgccaca acttggaaaa 180
ttgagagttt gggaccataa ctacccaagt tgaccatccc acaaactagg atattttcca 240
tgagtaacta aggcttaagg agtgctgctc ccaccagaaa gcctactatt ttctataatc 300
atttttagttg gcccggtttt tgaacacatc aagaccatc tcagtaggat cagttgcttg 360
cagctctact tgaattccat ccagctccct cttgaatctg tctttggagc ttgcatagat 420
catcttgctc ctcaccttga tgtgtcaggg gaccatgcaa tgaaaaaaat tctgctttta 480
aggacatatc ccttagtcag atactcaaat cataaacagc 520

<210> 30473
<211> 386
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052a11a1

<400> 30473

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aattggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
attcctgggg gaattgcaat ttcacatttt caagaaataa ggaggcaaaa atgttcatat 180
atgaattgga attatttggt atcttattag gcctatcctg aagccaaagg aaatgagatc 240
ggaattcctc ggggaatttc aattgcacat tttcaagaca taaggaggca aaaatgttca 300
tatatgaatt ggaatcattt ggtcacctat taggcctatc ctgaagccaa aggaaatgag 360
atcggaattc ctagggggta ccgagc 386

<210> 30474
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b01d1

<400> 30474

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 gatcttatca gtacacatag gtaggttgaa attctagctc tagcaatcta gctagagaag 120
 gtagtacttg cacaacacac agcacatgat aatttatctt atacacaatc tcattctcat 180
 ggtgctcaag atgcatggac taattaagca acaatgttgg tctgataggc agtgtccaca 240
 gataaattgg gtaccataa aatggccttg cttccaagga aatggcaaac agggttagtt 300
 ccaggatcaa ctcccataag ttgatgaagc atttgatgat tcattccaga agtatttgag 360
 tggcaaatag caagtgcctg agttttggtt ccatcaccag ccaccaatgg aaccatgaaa 420
 gctgttggtt cacggacttc atggccagta aatactgcag ttctgaaatt t 471

<210> 30475
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b03d1

<400> 30475

atatggaagc tttatgattc gtctttaagg attaaagagt gatttcctca gcttgaatta 60
 tgcagagagg cctcacttgg agtatataca aagaacacca aagcaaccac cttgggtggg 120
 gacatgatgc acaatcatga ttgaaaaggc taggaatata attattaaca aatttctcaa 180
 atgtatggat taatatgaga cgagtagtca cggattcctg ctccttccca tcccatccac 240
 tcctcccaca tgtcccatac tggatcggtc attcccctca gtggctcatc gatgcctcca 300
 gcatcataat aagcctcata cgattctgcc tcatttgatt ctcctctcaa tttggacatc 360
 acaacatcat aagcctcggt gatttcgtga aactgcaccc cacaattgct ccctctgcac 420
 acatctggat ggtactgcaa agcgagctgt ctgaaagcct tcctaacc 468

<210> 30476
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b05d1

<400> 30476

atctgattaa attatcaaac aataatatgt gtacgaccta agttattaaa atcagtattc 60
 tcaaaagata agaaaaagga tcatccaca cacttccgtg agaataact gattaatggt 120
 caaatgtttt ataatccaat tgtatgaaag gtattattgc atgttgcaat aatactccaa 180
 gaagtagtct tactcataca tgtccatggc aactggagct ttacacttt ttgcaaagaa 240
 cggaacgcag catcttcttc aacctttctt cctcttctt cctcttctt tgggctctt 300
 ccttcttctt cttctctctc tctctctctt tcttctctgc ctctctctt ttaactaggt 360
 ctaccacggt gagaatcgtc acggagctga acttcttctt cagctgggtg gccaaagcaa 420
 ccatgtccac gttcacaccg ctcccgcca cgcatcatt gtcgtccct tccgggacac 480
 cgtagttaca cctcgtactt ctgctgcaat ttagggct 519

<210> 30477
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052c01d1

<400> 30477

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 catgttttaa gaatacaaga tttgatttag atacatata actatatgag tatcacaaaa 120
 aatttaaaga gacacactct caagtaccac tttatcaatt cttaatgcta atcttgagtc 180
 gatcattggc ccaggcagc tatattcagt ggccaagctc cacttctcca agcttttttt 240
 tcttcaaaat taccctgac ttcaagttga taaaaaaca cgaagggtta cggtgcactc 300
 atatcatctg gggacttgc tagaaagaaa taaccaatgg cacgatgagc ttatggtttc 360
 catggcgctg gaggtggtgg cggtgtacga aacattgggg gaacagcaga gaaaatggta 420
 tttttgtcaa tagatgtgcc tttgtgcct gacaatgcca ctagtgcagc aactaaaccg 480
 gcattttcag caagtgggtg ctctgtgtaa ttgtaggttg tacgaacatc atggaag 537

<210> 30478
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052c03d1

<400> 30478

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 cgcccataac gtacatatat accagatata aattttttcac gacatatgat attacaaatg 120
 actaaaactt ctagataaca acgaacaaaa gctatataat gaattcccac actaccacgc 180
 agttcaaaat tattgcatac caataatttc aagaaccctt attaactttc actttcaaag 240
 ggattgggtac aacaatatca tatgctaata aatataatct taagatgaag aagcagggtt 300
 ggaagatggg ttgaaaggaa cctgctcagc gcatgtaagg atttcatggg gccagcctg 360
 ttctcgacca acacctagaa ggtcaagata atactggtaa tgggaaacga tattgttcat 420
 cgagtccaca tcaccttgtc cacaacacc atccccatag agaatgttca 470

<210> 30479
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052d01d1

<400> 30479

aaaagagtaa tatataactt gtttatttca atcatatata aattcatgat agagatacaa 60
 acatctcaat taatgctcta ataatccact catatgtata tatatatata agacaagact 120
 ggactatcat atcaatatat atagcataat agttagtcca aatattcttc attggtatat 180
 ccagccacac gatcgtccta tatatatcca agtttatgct gcgaacactc ccacaaagac 240
 aagaccaaga acaagagaca cccacattcc acttacacca attcttacac caccagaggt 300
 cacagtagga acaacctgcg tcgaggactc cgaggattgt tccggtttag gcgacggctt 360
 ctccctttca ggttttaggcg cctccgccac atcattcgcg gaggtcaccg gcgccggctt 420
 taaaacgggt gcgggagcca gtggcttctg gtagtagcaa cacactca 468

<210> 30480
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052d03d1

<400> 30480

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 aaccttttctt tgaggttcat catacattac aaaaagaaaa ctgaagtaaa atagttcata 120
 gtctaggtat aaacagttta taataaatta cacgaaccaa aaagaatcct ttagaaaata 180
 tagtgaaaaa gaatcgcagg aaatgtcgtc gtgatggcaa caagcgcccc ccctcaattt 240
 tgagggcact aatgaaaggt ggcacaaata aggccttttc aaaatcctct agccacaact 300
 ctatgtttta ttaatatctt cgtcaccccc acggccttgca ttcagatata atcaccatac 360
 atcgcgcaaa tatctgccag tagttttag tagttttacc atgtctcag ccttggaact 420
 atcgagagaa ccctgctctt gcaaaattgt gtgcagggcg cgggtgtacat ccctggccat 480
 gcccttgga tcaccacaca cataaatgta actccttggt atatcatgct ccaaattttt 540
 gaagcc 546

<210> 30481
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400052d04d1

<400> 30481

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 aaacgaaatt aataaataaa aaaccaagct tttcaacatg acatgcaaaa tggtagacct 120
 aatgatcccc acaactagga ccatttctaa acctgttttt ctcaactaca ctgtccataa 180
 gtctaagctt cagttttctc aacaggaacc tctactgggg ctccactgt ctgagctggt 240
 ttgttctctt cctctgtggt tgctgctggt gctgattctg tttctgtttc agaagctcct 300
 ttaggtctct ctgcttcttc tttcacttct tcagtttttc tcctctgatt tcccctcagc 360
 tgctggcttc tottctctg tctcctttgt caccaccctc cttggactca actgccacct 420

tttttaggct cctctggctt ggccaccttc tg

452

<210> 30482
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052e01d1
 <400> 30482

gtataaaata ttttatatcg ttgtattcaa tggatgactt ctttacatta actgttccaa 60
 atatctttac agccttaaaa ttctaatagat agcttcaatt ttttccaaaa atgattgaat 120
 aagattaagt taaggttcaa catctaactt tatgcgcgatg gcccgaaatcc atatttcatt 180
 cgacaactta ggaaactcaa gatattttcc taatcaatca acattgtttc cccatttgta 240
 gtctgaattg tggccttggt gctctgtagg cttaagtgtt tcttcatttc ctgagacctg 300
 acaaactcct caattcttgc ttttagctca tcgtcgggaa tcaacatata cgcggttaaga 360
 tgagaacggg tgaatggatt agtactatca ctaagaagat gcctctgaat gacaggacga 420
 tcaaccgtga tccttgaaaa aggcaagata actggatcct tatcaatgtg tattgaattg 480
 gatcaaggaa tt 492

<210> 30483
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052e02d1
 <400> 30483

gttcaaagat ttcttcaaata gcaacctttc caacaattaa caaggcatta caatgaagtc 60
 aaattccaag taatgtaaca cctaacaact gctatataaa tgaaaaactg tacacataaa 120
 aggaaaaata tagagaaatt aagcataaca agaaccaatt gccctgaggg tagtagcaga 180
 tccaagcaag ggatgatttc aatagcatca tcaaatcaag cttttccaac tcttagagta 240
 agctccaaat catccattcc aacctcgtgt attctctcac cctcccaggg tttcactctg 300
 ccattctcga agtcaaaatc ggagcctcct ctgcctctct cggaacaga accccactgc 360
 atgccttcct gggcagcgat ctgctgcata gcgggcttca tgaagttaaa ggtaggcgaa 420

ggaagagcag ccgccgcgc agccaccatc gtcgtctgaa cctggaaact aaccagcgg 480
 cccgaggcgg 490

<210> 30484
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052e03d1

<400> 30484

gtctcaaagg aatacatcac attatagtta ctactataag taataatatt gttccatttt 60
 catcccagac acaacttgaa taactagaca ccaatcacag aagatataac atgaatgaag 120
 acatatctgc tatgaactag tgtataacta acagtgcacac atgcaacagt ttcattgtgca 180
 tagtaaggat gaagagcaat gctagatcat ctggtggtaa tctgtctgtc tggattttca 240
 tgttcagcta cctcctctc ctcttgacaa atccatccaa gggtcacagc caagtcttcc 300
 actggcacct tgatcacatc acttctgaca ccaatatcag ttgcatactt gctcatgcag 360
 tacattcctg cagttacagt agcaacacca acaggacttg gcattaacaa cttgagagga 420
 gaagagatca ttgcagccaa tggagcacca ataacagaag aagcttgggc act 473

<210> 30485
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052e04d1

<400> 30485

agaatacctt tttaatccat ccaaacaagt tcaaaacata cataacacat aaaaatgtag 60
 aaatccggat accgccattc aagcatgaaa atatctcaat tataacaatat tctaaaggag 120
 attttttttg gtggtaaaat aataagtgtc aaaagtctag ccaacacggg agagacacat 180
 gaacgtctct acttaaaaaa ctaccaatta atggtaagga tagagaaaat ttcactcgag 240
 aattttcatg cacatattct agggtagcgt cttgattgca acaacattat gtgcttggag 300
 cagcctcttt tttctcggtc gacccctcgc ctgcattctg ttcaacaggc tttgacactt 360
 cttgtcttct atcgctactc tcatcaatgt catccattgc atcaccatc ccaccaaatt 420

tagagaaatc catcccaccc atgcctccca ttgcatccat ccttcccatt gcatcagcac 480
ccatcccccc aaatttcgag aaatcca 507

<210> 30486
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052e05d1

<400> 30486

aaacagtata cacgatctac catgtgctta catatgccat ttgatgagga aaagaacatt 60
ccttaaagtt caacaatcaa caatgctaaa aactaatatc aaccccatca attcattcat 120
ctttcggttaa tctctctctt tcttctctct taccatcatt taacttgta tcagatgaga 180
catgttcggt ggcttggtcc aaatcctctt ccttggtctt ttcactaatt tcttccacgg 240
acttgtaagt gtaaaaccaa gcacatataa aataataaac gagattcaca acttgaatcc 300
cactaacaag aaaataatag tagtccaatc caccctatt gaggttccta tccggaagcc 360
aattattctc cttgccagtg tacttatgca ccaatgacac cagcaatgta cccatgtagt 420
tccaatggc tgtggttatg cagtacagtg ctgtagcact gcttctcatg ctttcaggtg 480
attgctcaag agaaattcca atgccacag acatgaaaat tcagccaccc atgaggcaat 540
c 541

<210> 30487
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052f01d1

<400> 30487

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gaagcataaa aacaatgcat ccaaattaaa acccacaacg gtactgggtac atttgaacat 120
caaacacaac aacagaaaaa gaccaccaga acaagaatct gaagtagatt ctagtagtct 180
tcgtcctcat gctggcctc accagactca gcacccactt cttcataatc cttctcgagg 240
gctgcaagat cctcagggg ttctgaaaat tcacctttt ccataccctc acccagctac 300

caatggacga aggcacgctt ggcatacatg agatcaaact tgtggtcaat gcgaccaaac 360
 acctcagcca cactgggtgga gtttgaaatc atgcaaactg ccctctgcac cttggcaaga 420
 tcaccttcag gaacaacagt agggggct 448

<210> 30488
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052f04d1

<400> 30488

aagaattatt cattatgaat tacttttccc caaacgagat taatcaaaga ttcggcggtta 60
 atacttactc ggcaattgaa gttacagtta cacgtaactg tacacattga tgagcaagac 120
 cttaacatac aatgcggaca tatttatagt tattacaaca taattgcaaa actaatgtga 180
 ataaaaccac tctaggaatt tgatcttctg aagaatcaac ttccctcaaa gcttaagttt 240
 gcataaactt tggaatgggt taacacttta acatcatctc taacagatct aaacgaattc 300
 cgtgcttgtg cagtagagca caaacatgaa agagtgtaaa tatagaggct cctaccaaac 360
 taagtgatag taatgtatat ctacgcaagg atgcaacttg acagaaaaga atgttgcttc 420
 aacaaccatt ttgtcactga attgctactc taagatcttc agacagcttt tctgcttttg 480
 caatagcctc tgacaaacca aaaagctttt actttggcat acaaccaaag tgatatgact 540
 tacaga 546

<210> 30489
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052f05d1

<400> 30489

aaaaaaaacc ttccacatt tgactcctcc ttataacaa agtcatagga cagcatagaa 60
 aaccagaaaa aatgtgatat agtttctgtg accacatcca taaacaccat tgttaagact 120
 agtctgacta gaatctataa gccataagcc aggtcttgaa caaaccaata taaaggctta 180
 caaaaggatc tttgcttaaa tagaaacaac aggctgccag caccaaaagc tagttctttg 240

gcccgaatata cttcagggcg caaatctgtt cctcacccat agcagacatg acagacacaa 300
 caagatcctt gccctcagca aatccatcct ttatctgagt gagcagactc tcatcagtgg 360
 gaagcttgag gtcacacctg gtgttcccat tttcagtaag cagactcaaa aatccatcct 420
 cagcaatata aatgagctgg taatcagtac gattcacatg aggaacatca cagttgtgag 480
 aagagggcac aatat 495

<210> 30490
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g02d1

<400> 30490

gtactattaa acaaatttat ttagccccgc cgctgaatg atttttgggt ctcacaagta 60
 atacaaaact tgggaatcaa aaacctttgg aataccaatc ccaagttccc acctggagt 120
 aaccaacct tcccctgggt gacaaatccc cctcaaaagc ctcacagaa gcttatagct 180
 tcttcattgg ggggaaaaaa gactaatata gaatttcctt tcacagcagt aactagactt 240
 gcttggaaga agggtccttg agttcctgag ggagaatata cttcccccta ataaaggtag 300
 gatccttcaa gaacgtatcc ttgggtagga ctttctcatc atcaggccaa tttttaaggg 360
 ctttttgaag ctggttaacc ctttgctcga catg 394

<210> 30491
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g03d1

<400> 30491

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 gaggctgtct acctcaaaat gcaaatttgt accagtggaa aacaacagtc tacatagttc 120
 atgatgggtg ttccttttgt ttttacaatt ccaaaatata atgattaaat ggaactctac 180
 tttccttttc ttcaactatt acatcttcaa gaccaagctg acggttggtg catcaatttc 240
 accaaaatta acttcatact tttgtaccca ggaaggactt tatgcctgct ggagagtttc 300

ctggcttagt agtagtagta cttccaaagt tgagctttgc ttttttatca gctggcttta 360
 atatttggaa agagcacatt agtgtctcat caacactcat tatagcgcca gcattgtcaa 420
 actctccaca ataatta 437

<210> 30492
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g05d1

<400> 30492

gcatataatt ggaggaagca acctttatga gcattatcat ccgcaccatt catttacata 60
 aaccctatatt tctacatgga ttagttacac agtcttgcca agtctttact aacttaaaag 120
 tttttctagt cacaaccacc acatgccccca caatgtcaca acccataaaa caaggctact 180
 caaaagcaaaa ttttttgaag aagtaaagct caatttaatc agaatcagat gattctgac 240
 tctgttcctc agaggctgca ttatctcctt tcaagttagc ctctccctgc ttgaatgcct 300
 tggctatctc ttcaatggga atcaaaggta gataccaaac gaaactgtaa cccttttgag 360
 tcatggcctt gatcacatga ttgtacttct ctgaccagtg agcaacagtg ggaattgcca 420
 tctctgacag tgcattggaat ggtggatagt gggttgagtc cattccacaa ctttactgaa 480
 tttatcaaca caaaatgctt tgattctgta gcaacataat gaacagct 528

<210> 30493
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h01d1

<400> 30493

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 aattcaaadc ataagcagag acaaaacaga aaagaaaagg tatataattt gaaacttaat 120
 ttaagcatca acaatttcct cagtgtccgc agaagccaaa ataagctggg gttcttcct 180
 tccaactcca caggttccat caattgcatt gttcctaccc aaagccttca acgccaaatg 240
 agccgccttc tgccctgata tcatcatcgc cccaaacgtc ggaccattc tcggggagcc 300

atcaatttct gcaacctcca tgccagtgc aatcatgccca ggcacaatct ccctagtgc 360
 cctgacaata ggcctctcag cagcattcat atccaaagcc ttcattccag gaacgctatc 420
 aatcatccca atactcttca acctcttaac cccagtggcg ccaaagggtc catcgtgccc 480
 acaagagctc accacaacct tcgccttcat cacgttgggg tccatgcatg actgcgtgctc 540
 atgggtcatc gaaaccagag 560

<210> 30494
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h02d1

<400> 30494

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 gttttccacg agacgagaag agacacgcaa ctgcataagt atcacaaaag attacagaag 120
 aaaaggaaca ttctcttctc aactatatcc tatttggtgc tgttgctgag gtggttggtgta 180
 accaggatac cccggataac tgccatacat gttgggatcc tgtccagcag caggagcata 240
 ccataaattt tcataacctt gtgcagcata cccatagtat ccaccaccag aaccagcacc 300
 accattccac tggtttgat ctgcctgagc ctgtttgttt gaaggactgc ggcccatga 360
 aagacgaaca ttttgaccac ccaacagggt cccattcaac acccgaagt cctcttcggc 420
 acagctcctg tctgcaatt ggacaaaccc acatcgcttg cctgctggaa tcttcacatg 480
 cactaattct ccatactggc tgaaaacttg cctcagatga tcatcagtga cattaggatc 540
 caaattacca ac 552

<210> 30495
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h05d1

<400> 30495

attcaagaga aacaactgtg cattacattt gatactgctc tcaggactat caagaacaaa 60
 gagcatcatc atacagttga cgaaggtgac tgcaaagggt atgtcaagac agccaatttt 120

tcagcaaaaa aaccagaaat aaaactgata acttcccatt gaacacaaga aacaaatgct 180
 ttttactcat gagaacaac gagcacttgt tttccaacat tgcgaccgct aaaaaggcca 240
 accaatgctg aaggtccatt ctcaagcccc tcagctatgt cttccacata cacaaccttc 300
 ccctctctga tatttggcag gagaaactcc aagaacttgg gatatagggtg aacgaaatcc 360
 atgaagttaa agccttgcaa acgaatccgc ttatatatga tctgtgcaa atttgttaca 420
 ccttcatgtt gagtaagatt atactgtgag atcattccca gacgggtatg cgaccacgac 480
 tctcatgttc agg 493

<210> 30496
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a03d1
 <400> 30496

gaccccaact ggaaaaaata attttttcaa cgatagctta cattgcatat acaattatac 60
 atacttccat gattccatca ttctgtatca catttgaaga aaaatcatgg cttggtgagc 120
 acaggcatac aaaaaggaca tgcattaatt cctcaagtca acaaaaaatg ttacctatctt 180
 ttattttgac agaaaagtca gaaccaactt tttctgtaga ttgaaagggg gatctttaag 240
 agggagcttt cgccgacgtt aactatcttc ctactcatca aaaccaatag cttacgtgaa 300
 caaaaaggaa ggttttttgg agagcaaagc ttttaagtgc gaatggtcag tcacagaggg 360
 gctacaagtg aagttttggc atacaagagc tacaaccttg ttgactgcaa agttatcttt 420
 tgccatgaga gcaacattac tggatatttac ttcccaaaat tcca 464

<210> 30497
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a08d1
 <400> 30497

gaccgtcaat aatgctcaaa catttcaata gcataataat ttacaagtga agatagttgc 60
 ggaagggaga ggatccaccg aggaaaaaaaaa aatattaaaa catacagggg aagatgtcac 120

tgtccaaggc cgaactttga ttgaagggtg tccagaatct ctgcatactc tattggtggt 180
 gcctcacgcg tgaacacttc atcccagatc ttgcgtatgt catccttatt tgttgatgaa 240
 aggcacatta caatcacatc aaatcttggg accttgggtca aatgctccaa ataactgaca 300
 accagatcca tgtcctcagt gaaaagagat gcaagacact tgatgatctc aattagtatg 360
 gtagaagaca aggcattttt gaatatattt ggcaattcat ggggagatat agcctttaat 420
 agacgagcct gcagagcaag atcacctgaa aatgctctcc aggagacctc atactgataa 480
 gctgtagttg gaggtgttac gtttttgg 508

<210> 30498
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a09d1
 <400> 30498

aggcaaaatt ttgaattttg tttttcaaac cggcattatt tggttctcca aaagttcttc 60
 aagtttaaaa ggccttaagg gaaaaaatga actccctttt tttgtacaaa aaaccttttt 120
 ttttttgcta aatgaaaaaa gatgattcat cttttacctg gggcttagac aaaaaatta 180
 gtaaaaaggg ggttcaaact cctccccgac ttactttttt acctctctat attttgcctt 240
 aggggctgt tcccccccg ggaaccccc gctgggggac cgggacctag aaccacctga 300
 aatgggctct ccaatctggg cccaattttt gtttgaggac tcaacctttg ctttgatttc 360
 attaacattt tccctgaca ttgccgtctt aaaaaccaa actgcatccc caattttttt 420
 ggccccctta cggggaaatt ctttttttgt ttaacctaaa ctttttt 467

<210> 30499
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a10d1
 <400> 30499

tcgcgatctt gtggaatttg agtgcagaaa tcagagagaa tatgatgtgt ggactcaagg 60
 tgtttcaagg cttctctcta ttgccgcaga aaagaacaac aaaaacagaa tttgagcctt 120

ttgttttggg aatgtgtaag gagggagaag aaattttggc aatgggggaa taggaggatc 180
aatcaagggtg gtgttagtag cattatagat gttttgtaca ttgtaaaaag gttaaaaaaa 240
ctaaaggcaa agttaatgcc atatgggggc tcacacttta ctcttgggga tctggatggt 300
gttttttttt tttgaatgag aaagcgaaac atttgaactg aagtgtgagc ccatagttaa 360
ccaattgacc ttttgttcct tcattattct ggaaagaaaa tgagtatctt ggacttgggg 420
gggagtggta gtcaaaaaga agtggaaaag atcatattgg agggaaa 467

<210> 30500
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400053a11d1

<400> 30500

aggaataagt aggctatact tcaacaagga gtttatatag taagaaaggt acatccttgg 60
taaaagcata aagcaaagct aatctaattg cacacacaac catgagttca tgaaatccag 120
tcattagtta cattcgttgt tgggtgtgaca atatcttagt aaagtactca aaatataaat 180
taatagatat aataaagtat ctaaatgatg gttccccat cagacaaaag accagttcat 240
gaatacgaag gcaaggcagt gattggaatc atcatcatcg agaactttcc atgcaatggc 300
ctgctcataa gacactgggc gattcatact tgatacacat attcctgctg gcagatatgc 360
aaatccctgt tgcattatct tggagaactc aatgcagaga accttctctg cagcttcac 420
aagaacttta tccagcatta tgtcttgaag agcaacaaga gtggtttcaa gcatgtcaag 480
tc 482

<210> 30501
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400053b01d1

<400> 30501

caaggaagga gctctccata ttgatcatta acagcaaagc tgggttatgg atacaacatc 60
attgataaac cagcggaaac tttcaaacac ccccatTTTT cggcagaaac tctattgagg 120

ccaaagcact acccgatagg gtgctgtata acaccttccc cacaaatcct ttttgggatt 180
 ctccgtatat acccctggaa accgggctgc cctttttttg tatatggatg gctatacagg 240
 ctatgaacat gatgaggccc tccacgggtc ccattcagaa atttatgtcc ggtgacaggg 300
 agcacatact atgactattg gtgagaccaa tccttgtcgt agtcctta 347

<210> 30502
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b03d1
 <400> 30502

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
 aaaagcaatg catccaaatt aaaaccacat cggtactggt acacatctga acatcaaaca 120
 caacagaaaa cagaccacaa gaacaagaat ttgaagtaga ttctagtagt cttcatcctt 180
 ttcttgcccc tcaccagact cagcaccacac ttctttataa tcctttcttaa gggctgcaag 240
 ggcctcacgg gcttcaaaaa attcaccttt ttccataccc tcaccacgt accagtggac 300
 aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcgggcaa acacttcagc 360
 cacactgggtg gaggttgaaa tcatgcaaac tgccctctgc accttggcaa gggcgccctcc 420
 aggaacaacg 430

<210> 30503
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b04d1
 <400> 30503

cgcaagccaa gtcattatta cttgaacaag tctatgccaa atccacagca ctactaatag 60
 gatgtaatta tcagaacccc atgaagggcc acacaataaa gctacaaaca agtaacttgt 120
 tgcagcttac atcacgaaat acctcagttc agtactaaca ttagagcaat aaagaaggcc 180
 acaataagac agaagttatc atggtaataa actacagggc tcaatattgg atgtatacaa 240
 tcatgataaa gagcccttat ttctttccac ttttcttgag cccagaacct ccaaagcttc 300

ccttctgttg cgccttggct ttcaactcct ttagcgctt ctcctcttcc ttttcttct 360
 gaatgttagc catgtcaacc tcgtcgtaat ccttcttata agacttgggt ttttcaaag 420
 gcttagcttt tccaccttgc ttggtcgaca tggttgcgat gcggagctag ggtttggct 480
 gaaaacataa acgacagaca gaggaa 506

<210> 30504
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b07d1
 <400> 30504

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 gcttctgctt gtaaaactcc aaacaattat tgcatttgca tagagcatct ttccaatttt 120
 tggaaaggaa cattggttta ccaggtaaaa ctgggttaac agtaataatg ttaacaccaa 180
 ggagacaatt tacatgcaag tcgatgcttt ttgtgcattg atttgaagcc atactgccat 240
 tacaattttc tccctgagac aaactcttcc catcagatat agatttggaa tcaacagtag 300
 cttgtgcata atcaacttta ggagaactac atgaagtatt gcatgttggc ttttcagacc 360
 cacaagttga aggcattgtct tccaagacac ctttgcctt gctaatttgg acagtagcat 420
 ctggctgctt ttcagccgcc catatTTTTT tgggatttaa ctttataaag aagcattcgt 480
 gagagcctgc cttacatatg aat 503

<210> 30505
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b08d1
 <400> 30505

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 aaaaaaaaaa accaccaagg gcccaaagg gggtttatta tccccgggg gggaaaaaaa 120
 aggggggggg gggggggttt taaaaaaaaa acccccatt aaaaggggg gggggaaaaa 180
 aacaaaagg gggggaaagg cgggggggg ccccaaacc tgggggaaaa cattggccca 240

cggggggggc cctgggggtta aaaaaaaccc ggagaccccc aaaaaaaccc ccggttttta 300
 aaaggaaaaa aaaccccggg gaaaaaaaac cccccaaaaa aaaaaaaaaa caacaatttg 360
 ggagaaaaaa cccccgcccg gaaaaaaa aaaggaag gggg 404

<210> 30506
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b10d1

<400> 30506

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 gggccttagg gggaaaaaaa gagaactttg gggcaagggg tcaagcccaa aattttttta 180
 tgtaaaaggg gcaaaaattt ccaatttgct atgggccctt tttttggggc cccccaaaaa 240
 aaaattaaaa ttttaaaaaa gggggccaaa aggggcaccg ccaggaaca atttccaag 300
 gccccccga aaaaagataa aggggccggc aatggttaaa gcccgaagag ccagtaacct 360
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<210> 30507
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b11d1

<400> 30507

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<210> 30508
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b12d1

<400> 30508

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 cagaagattg cattgcatgt aggcacctc attgtccagg gacaaagtta gtggcataag 180
 cccaagcatt gttggcaaca ggatcagcaa cgtggctgta aaggttctga atagggccct 240
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 tcttgagttc cttgaccttc aactcagcga atgcatcagg gtcacatagcc agaccaagag 360
 ggtcaaaagc accaccaggg tagattgggt caagtccttc accaagtggg cctccaccaa 420
 ctctgtaacc ttcaacaaac cccatgagca caacctgaac agcccagata gcaaggatgc 480
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 gtgcaccg 548

<210> 30509
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053c02d1

<400> 30509

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 cccccccca caaacgcct tttttttcaa aaaaaaacg ctgggggaca aatttttttt 180
 ccccccccc cccttaaaaa aaaccggctc tgaaaaaaa aaaacaaaa aacttttctg 240
 gggctttttc cccaaggggg gccctaaaa aaaaaaac cccccctcc tgtggggccc 300
 cgctcccctt attaaaaaaa ccgggcgcag gtttgaggtt cttccaccgg gggggggg 358

<210> 30510
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053c03d1

<400> 30510

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agaaaatttt agcaatcaga taataagaag ccagtagtag tgcaaaagtc ccttgccaag 180
 agtgttggaa ccccttttag ttaagcaggt accttctccc ccttgagtgg cttcaccact 240
 tcccatgtga agtcagggtc atctctgcca aagtgtccat atgcagcagt cttcaagaac 300
 ctgccatttc caccctctct gagatcaagg ttgatggaga tcatgccagg cctgaagtca 360
 aaactctcct tcacaatgct gaggatttcc ttgtcaggga tcttcccagt gccataagt 420
 ttaacaaaca cagacaaggg ctgaggcaca ccaatggcat aggaaacttg cacaattgcc 480
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<210> 30511
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c05d1
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 acacttgaat catgggttaca gcttactgag ttttgtggtt tccattgcca cttctattaa 180
 tttctgtaac taccaacatg ctttgagtac gatcagaaga atggggtttct atccatgttt 240
 aaataagtat aaacatctga gtcgggtttc aaggacaaat aaatgaataa tcattttatc 300
 tgcactgctc cattgctcaa acccggtgtc tagataagca cttatgaaga tggtcactac 360
 gttaatatga ttgagctccg tgaaaacctt ggcacatcaagt ttaggaacca caaaatctgg 420
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<210> 30512
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c06d1
 <400> 30512

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caccatgaaa tcaataatat atttgaaaag ctgaagggaa atttctccct tttctctttc 180
 atttaaacca ttgataatat cattctcatt ttcattccaag actccggtac tatccattga 240
 gcaacgtgtt gttattaatt ccaaaagctt ccaaataata ctccagaaga agttccatct 300
 gtcgcctttc acttaccata cttcattggt tctatgttaa aaccaatagt gggaaacttc 360
 ttagcataat cctcaacttc atgacagaga ttagcaatct tagattgaat ttgttcatct 420
 gattgcatag ctgccacaaa atctttcaac tttgtaccat tgggtattttc cttaatctgc 480
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 aatcccct 548

<210> 30513
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c09d1
 <400> 30513

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 ttccaaataa gttggaacct attacttcta aaacaaatgg aagacctgaa gcataagtta 180
 ccgctcgatt caaaatatca tgataacttg gatcaattcc tttttcaact caaaagcctt 240
 ctgagtaagt aattgaagag catgtttctc attcaactct ctacacctat atgttatttt 300
 aacatttgtg agagctaaca aatgttcgtc tcgagtgggt atgatgattc tactgccaaag 360
 accaaaccaa tcagggtcgc caataagtgc ttgtaactgt ttatcttcat caacatcatc 420
 tagaataaga agaacctttt tttgcttgag cttacgtttt ataatgggaa ttccttctct 480
 ccaatttggt aacttaattt ctccagcggg tttagaaaga aggaagcttt ggagtttttc 540
 taaccattt 550

<210> 30514
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053d02d1

<400> 30514

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 tactcaaagc ccacctgatt tctctatctt cttccaactt tataattgag caagggcttc 120
 aaaggattcg tttcacactc ataccttggt tattctacaa accaaaacac aaagataacg 180
 tactaaataa gtgatagggt atgctgattt ccaattgtcc acaacttata tagtagcatc 240
 aagtccaagt tctatggcct tgagtttcaa tgatttcaag caacgaatgg cttcatcaag 300
 aagctcgatt gggtccttgt cctttccacc aggaactatg cattgcagga tgctcagaac 360
 atcttgaatc ttctcctttc taatctttta attgcctgac aaggaaccca tttcacctga 420
 cccttactac tact 434

<210> 30515

<211> 570

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d03d1

<400> 30515

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 gatgggcaac aaaattctgc tggattacat aaagcaaaca tatattgtgc atatgtactt 120
 cagcagtgtc gtttacacct tttttctttt tacattcttt ctccgcaccc cctttgtccc 180
 cctataatac agttcccctg gggtagtata aaagaaagat attgatatac cttttaaacg 240
 ccgttacata caggcaaact aataaaaagaa ttgcaccgt aatagcatgg agtatattaa 300
 ttcaatggga tagagccctc tgttatgtaa aagcaaaaat cctatcagta atacttgtgc 360
 ggcatattgg aactcagaa caagcaagtg aacaagattt acacaaacaa aaatgtcggc 420
 atggaagcag aattgctgca gttggagatt caaacatac tttacaaaca tgggaattgg 480
 catcaccatt tccaagggtc tagagttctt ttttcttcat ttcttgcag cgcgccctga 540
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<210> 30516

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d05d1

<400> 30516

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 gagtacccaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gttgagcttg gattctaggg gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tgtcagagaa gctgaaggaa tgaggtgcag gggttcatca aattcctttc ccacacaccc 420
 attagttgac aattaaggga agtttgagtg gctaactttt caat 464

<210> 30517

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d06d1

<400> 30517

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 caaaaggaaa atatatgtac aagaaactac aacatgttcc tcttaacctg taacacaaca 120
 ttggagaaac ctaatctcct atgtttcttt ctatgcatcc tctcttcatg taacacaatt 180
 gtaccgactt tgggaaatta tcaaacttca cttattttca tcgtcatctt ctgtacaagc 240
 cacctgcttg acagcaaatac aagctgcctc agcaagcacg tgactcaca actggcagcc 300
 gcctgggcat tggtagacta ctaccagata cttttaagga tgcaaacagg caagataatc 360
 ttgcaatcat gggcttagtc ttcggcattt taggaacaat cgtcagttcc atccccacat 420
 cacatgtgct atgatagcct tcaagatcag ctttggttat aagtactg 468

<210> 30518

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d07d1

<400> 30518

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 atgggataaa taaaacgggg aaagtaaata ggtagcctca aacgctcatt tgggtgaatg 180
 agaatcctat accctttttt ctccaatgca gaagaacctg cctctgccaa tgcttaataa 240
 gaatactagt cttgacataa tgctaagtgg aaaattagat ctgattagtc caagacttca 300
 gaaagccaaa tgctttttcca aatggaaatc tcagtctcac tcttaatctt tctgattcct 360
 ccataaaaac catctgcttc atttcttcc tctctatgat ctcttctact tatagggtgtt 420
 ttcccccaac gcgagtcagg attgtactga ttgaactcta gcaccactgt gtcactacta 480
 tgacaacggc agtaattttc attcccatcg cataact 516

<210> 30519

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d08d1

<400> 30519

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 atgagatggc attagacatt gaatggagta gtagtagtag tagtcatgaa acacgcaaat 180
 tattcatcca caccagcaa gacatccact gaagggagtg attaacttaa caacactctt 240
 aagcttgagg cttctctgac ttgagtggct tcacaacttc ccaggtgaag tctgcatcat 300
 cccttccaaa gggtcataa gcagctgtct tgaggaacct atgaccaccc ctcttaaggt 360
 ccaagttaat ggtgatcatt ccaggtctga agtcgaaatt ctcttcaca atttgcagaa 420
 tctccttgtc aggaatcttc ccagttccat aagtgtccac aaacactgac aagggtcaa 480
 ggacaccaat ggca 494

<210> 30520

<211> 524

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d09d1

<400> 30520

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gttgaaattc tagctctagc aatctagcta gagaaggtag tacttgcaca acacacagca  180
catgataatt tattttatac acaatctcat tctcatgggg ctcaagatgc atggactaat  240
taagcaacaa tggttggtctg ataggcagtg tccacagata aattgggtac ccataaaatg  300
gccttgcttc caaggaaatg gcaaacaggg ttagttccag gatcaactcc cataagttga  360
tgaagcattt gatgattcat tccagaagta tttgagtggc aaatagcaag tgcctgagtt  420
ttggttccat caccagccac caatggaacc atgaaagctg ttgtttcacg gacttcatgg  480
cagtaaatac tgcagttcct gaatttagcc tatgacacat cact                    524
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<210> 30521

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d10d1

<400> 30521

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caagtattgt ttcagcttaa cacgaaagga caacacacac aaactttcct cattcaacaa  180
attgcaacat ccaactgcaac atgtaacact cttacaaagc atttccttca cgaagattag  240
aaaagaaaaa aaaaaatact tgcaagctca gaaaaacaaa actcaatata tttcaagact  300
aaaaaatcgg taatgatttt caagcaatat tgtggtatgg gttaataata atagtataat  360
ctatatatat gaaggcaaac attatgcagc ttgcttgagc ttctttgtga tgccggcaat  420
gtacttgctt tgggtggaatg cttgctgtaa ctcgagctca cttggctgtc ttgagccgtc  480
accggcataa gttccggcac catatggact tccacctt                    518
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<210> 30522

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d12d1

<400> 30522

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 aacatccatg aaatccaatc attaaaaatt ggaaaaccaa accaaaccaa accaaaccaa 120
 acttattcca acaccactca tcaaacagaa aaacaatcca aactttcaaa actcacaac 180
 tcaagaacaa cttgaaatta ctactaacia aaacaagacc aattggtcaa aaaccatgaa 240
 tcttgatctg gtccttcttg acaaggccag cctgaacgag gaagtgggag acgtttcttac 300
 gctggtcgcc ttggagttgg atgatcttgc caagctcctt gtcctgcacc acggttccgt 360
 tgcagcagaa ctcttcttg aggtccttga ggatcttctc gtagctgaac tccttcttca 420
 gcccttgac 430

<210> 30523

<211> 385

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e01d1

<400> 30523

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 aacaaaattg gggggggggg ggaaaaaccc cccttggtaa agcccgggaa aggtttggat 180
 attatacatt ttttaggggg cacgccccaa aaacttcccc cttaaggggg ggggattaat 240
 ttcttgggcc ttctcccacc ggggggggtg ggcccccttc ccgggggggg ggggggcttc 300
 ttttccaaag gggccatggg ggggaggttt aaaaaacctg gttttcccc cccttttggg 360
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<210> 30524

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400053e04d1

<400> 30524

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 aaaaagcaca taaagcaata ataataggga agaaaaggaa tggaagtccc tttctgcctg 180
 ctctcttcat agttgcagtg tctttacctg ctgcagcaat gtttgtgtgc ttgatcttca 240
 acctgctgaa gctagacatt cgattcaatg ctcggtcac caaagcactt tcagcagctg 300
 atgcaggagt tgtcggtatt gactcaacaa aggccagag agcagaggag aagctacttg 360
 tagcaacatc ttccacagtg ctactttgat tgttattgcc ttccgtagga aagccaacag 420
 attcatatac cacacctggg gatgatagcg agaaagaatc aacaaagcct tctgatgcac 480
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<210> 30525

<211> 422

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e05d1

<400> 30525

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 tttgtgctgg actttggtgg tcttggcatt tggcttacag gtgctttgaa gtgcaagctt 180
 acaggttagc ccttattatt gcgaccaaga ggaacatgca tataaaacat taggagtgct 240
 cagccagagt agggacataa gactgaacta ttctgctggc tcgccccctg gaatagcgca 300
 cacttgttca tagtcaggaa tatatcggtt tgtccagggt aggtatcaca tcataggact 360
 tttttcttga tccataaccc atatgggtag agatgaaatg ttgaactgat gccatgatgg 420
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<210> 30526

<211> 584

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e06d1

<400> 30526

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 tagccattta caacaccacg aagaaataat caaatttatt accaagcgcg ctttcaatcc 180
 aagtgaagca ctagggattt ttttttttat atccttgatc atggtaacaa gagttgacta 240
 actgctgaat attcgcttca aacttgaaca aattgtgcgt aatcttccca tgctcattga 300
 gcttatcttt ggacaaaagc gaacgtcaag ggtctccagt atagagcatt ttgatatggc 360
 agcttcaaca gcttcctcgt caatattgca agactgaagg aacagactgg tcaattttgg 420
 acactctagc ttcaaaattt ccaaagagga acaattgctt aaattaagaa agcatagggt 480
 gagaacagta acaataacct ttttcaaatt tgccgagagt gaaaggggta aaaattaaca 540
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<210> 30527

<211> 581

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e07d1

<400> 30527

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 tgacatagct acaattagaa cttccacatt ttatcatccc ttggaagcat gaaagaggac 180
 ggaagaactc atcacaaaat taagggtgtg tgaggaatta gctagaacca gcttcagcaa 240
 aatctgccaa tttgttttct tttaatgaat aattgattgt tgagcagtca actgttttat 300
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 cctcaaacga cattaccttt ttaggtgtgc aaatcttgaa atttgatgga ctagccactt 480
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<210> 30528
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053e08d1

<400> 30528

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 agtgctcata agttaaagg aaaaacaaag tgaagatgct tgttgcaaga aacaagtcca 180
 cagtccccgg atacatataa attagaaaaa tgagaatcta atctcactga aaactgcact 240
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 gcttggtctt gtttttgagg tcagataagc catttacatc actcttatca ccatagttgt 360
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<210> 30529
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400053e10d1

<400> 30529

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 aaaaatttcg aactgtaat atataagatc ctttgaactg aaaaagagaa ccgagttaca 180
 aagaaatcaa tgtagttatt attaaaccag ccagaacaac atcaacctga cattttgcta 240
 attgaaaaat caataacccc agttatcatt cctgatctca tcatcaaact tcttctcag 300
 ctcaggatgc ttttcaaagt actcatctgc cgtcatggta ctaagctttt tcttcaactc 360
 ttgtacttca gcaatttcct tttccaagcg ctcagactcc ttcagagatt tctcctctgc 420

ttctttaagc tcaatcaaaa gggcatcaaa tttaggctta tattgaggag ttactgtatc 480
 aacaaacttg nggatctcaa tgctctcata atgctccttg tacatatcca ccaaacgagt 540
 gccaatccc ttttatagta atccca 566

<210> 30530
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f02d1

<400> 30530

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 aaatcaacaa ctgagattat ttaaatatcc gatcacaaga gcatctttct ctttttaaatt 180
 tctcaagcga actgaccaag gtattcttcc acggtggtgt agttgacatc cgggtacaac 240
 tcagaagcct caaccccgaa agatggctca atctcaaagt tgggtgtggtc acccttcacg 300
 aacactgagt gggtgattgc taataccaca ttgattggaa gaggtgcctc ttcgatgtcc 360
 ttgagaacct tctcctctgg tacataaatt ttttcgaggg tcttgccaat cttgttctcc 420
 cacaaggcca caagctcgtt gaacgagtaa atgttcttag ggggcctgag gtagagaatc 480
 ttgttcaatg tcttagggtc atccacagcc ctgatg 516

<210> 30531
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f04d1

<400> 30531

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 ctacaaattc acatccttag aaactaaatt ccatcattgg gattgacca ccagctgcca 180
 cgatctgttg ctcaagcctg atcagtgtct caaacttatt cttaacatgg caggactctt 240
 gccttacttg gtgcagacaa ctgaggcacg cgtctatgtt ctgttctca caaaagttgc 300

ggaaagaaat gcaacaattc ttaccctct gagcacctat gcttgagctg ctacccttta 360
 gctggtgaac atgagcatca acttttttga agtcaatact tttctgattt tgagcaaagg 420
 ttaggtcatt gagaagtctc tcagaatctt caaagaagag agagaccact tcaactacaa 480
 agtccgggtt ggtctcatcc tgta 504

<210> 30532
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053f06d1
 <400> 30532

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 aatttggagc aaaaaatttt aacacatgac agcctaaata ggttaccctt tttcaacaac 180
 ctttcaatta caattcctgc cctggattct gcagaagagg ctaaaatata tttgtgcaaa 240
 acctagcgga tcattcacat gtctgtgca gattccgccc aacccctcc aaagattttt 300
 gcctgtccag aatgaaggac cataaatcac attttgctaa aaaagggcag agcccatccc 360
 taaaaggggg cttttccagc cttggtttct gggttttttt tgatccccta ggctggcaaa 420
 agctcgacc 430

<210> 30533
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053f07d1
 <400> 30533

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 atatgtgcat gaaaaatgaa aactcatata acagaatata acattcgaca atgtgagtga 180
 tcacacagga aggcaatcga tcatcattgt gcatgcgaca caaggaatgt tttctgtctt 240
 tttaagtttc ctgcaaagcc aatcaactga ttcatcgaat atattgtcag aagactttta 300

atttcaacct ctcaatccgc aaccaattg aacagtgc atagtctcac atgggtaatt 360
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 tttattgtac ttctccctta attgcttgat tgggatgaaa tcttctgctg aatccattcc 480
 atagaataga aaagagatgt agggatgaac gaatctttca gagtctgggt tatacagtgt 540
 taaagattct cctctggaac atatgcccct 570

<210> 30534
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f08d1

<400> 30534

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 ataagaatat atcaactatg ctccctgctt tatttctttt tctgcactct tttcttaata 180
 gattttttct tcttctctta ttcacaccaa tgaacaatga gaatttttct ccctttgcac 240
 taggcaatct ataaacaact tgtgtgttgt ccaattattc cttggcagtg ctgtttcttt 300
 gccctgatga tgccattagc acagcaacag ccactataaa cataaacaac atactcccta 360
 gcagtatata tgttcttctt gatgatttcc tgtactctcc aaacagaatc acgccccaaa 420
 aagtgcttac aagtggaagt gcctggactg catctgctgc tgcatactct gctgcttgac 480
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 ctctgccatc tgagtct 557

<210> 30535
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f09d1

<400> 30535

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 aaccgaaacc aaaaatccgg gggggtgaaa tttcaaaaag caaaaacaaa ggggaatggt 120

gtttaagtac aaacaacaa aggggggggg ggggtacaaa tgctttggaa atttttcaca 180
 cttaaaaacc tgggggcttg ttggggataa aacttttgcc ctgcacttgg ggaacgttgg 240
 cgaatcccat gataccgatg aagccgcggg gggatgcaat cttagccttt tgaagctcct 300
 tcaacacctg ggaaggatca gggccacca acataggggg gttccacatg ggccaggagc 360
 ggccattgta ttatcctggg gacctgttgg gtcacgggg cacaaaaccg g 411

<210> 30536
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f10d1

<400> 30536

aataaaaata cttttttttt tctcaaatat actcgagtct atccgaaatt tggagaaagt 60
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 agccctcatg accagaaaat acaccgataa ataggaggct gatagttgat atatgttcta 180
 aggggtgatgc ccaacagctt tgccgcaaag cagaacattg ttgggaatgt catattcatt 240
 agcaaggctt ttctgtgcat ccacactct gagatagaac tggtgccaa gatattgcct 300
 ttcccatatt gcagacctca agttccacat gccttggtta tccaaagaca ccaatatagt 360
 agtccaggat tttggataca cctgtgtagt gtgtctagtc agggcatcca ctagattata 420
 tgttttcctg ctggcatctg tccactggcc gaaaccatga ccaatgacct aaaaatcata 480
 acaatcaaga tgccaagatt gcatggtgtt ttcgttgttc tggaaaataa cctcaataaa 540
 atcatggaga gaagtttg 558

<210> 30537
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f11d1

<400> 30537

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 gtactagtag ttagtacaac acaggaaaaa aaagcaacaa gcaaaacttac attgaacacc 120

agctgtacta ctcactctggg atgcatgatg ccatcaaagt tgaatcccaa ttcacattat 180
 cttttaatgc tagagggttg aagcaacgaa aatcacccctc cagtctccac cactttgtta 240
 atgtggtagc aatgaatcaa atgatgccaa ttctttttgc gtcacacaaa tgggtcttga 300
 gactcccaag tcacttaata tatgtttttc ttataagaa ggtgggttta taaggatcaa 360
 tgaatcgaat atcttccacg ctactttttg gtttgattac atggagtcca gtccgcacaa 420
 caagcggctc tgttgggttc catttgaaat caacatcaac agagaccact acatgattcc 480
 aatcattttc tgaaactact tcatccacat tatcttcaaa tttaactctgc ctttcaccaa 540
 atataagtat atgatcagtt aatactggga actcgaaata aaa 583

<210> 30538
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053f12d1
 <400> 30538

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 agctgtacta ctcactctggg atgcatgatg ccatcaaagt tgaatcccaa ttcacattat 180
 cttttaatgc tagagggttg aagcaacgaa aatcacccctc cagtctccac cactttgtta 240
 atgtggtagc aatgaatcaa atgatgccaa ttctttttgc gtcacacaaa tgggtcttga 300
 gactcccaag tcacttaata tatgtttttc ttataagaa ggtgggttta taaggatcaa 360
 tgaatcgaat atcttccacg ctactttttg gtttgattac atggagtcca gtccgcacaa 420
 caagcggctc tgttgggttc catttgaaat caacatcaac agagaccact acatgattcc 480
 aatcattttc tgaaactact tcatccacat tatcttcaga tttaaatct 529

<210> 30539
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g04d1
 <400> 30539

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 ctctaaaatg ccaagttgcc aaactactgt tgaaatttat ggtgtgtgga ctccaactat 180
 gtatggccag gtatagagtc ttcaaatgta ggacttgagt tgctcaaatt tgagagacaa 240
 agtgttctgc cacaagacga cgcaaaatct ttccggtggc agtcttgggc aaagaatcgg 300
 taatgaagac ctttttgggg actttgaaag atgcaagatt cttcttgcaa tatcttagca 360
 actctgcac atcaatgtct gatccttctc ttgggattac agcacagtat atctcctccc 420
 catactttgg atcaggcact ccaaaagcaa ctgcctgagc aatgtctggg tgtgaaagaa 480
 ggacagcatc cacttctatt ggtgatatct tttctcctcc tcgggtgatg agtccttga 540
 t 541

<210> 30540
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g05d1
 <400> 30540

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 gggccacccc caaaaatttt cccgggggcgc cccttttttg gaaaccccca ttgggcaaag 120
 ggatcagccc cctaaccgtt ttccaaagat tagggatttg ggcccagggg taaagctctc 180
 caccacccc cccgggggaa ccaacgcccc cccggtgtct atgggggggt ttcttttaac 240
 accaacccaa ttgttttctt aaagcccccc cccctttttt ttttccaaa aaaaagcggc 300
 ccggccattt tacccctttt t 321

<210> 30541
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g07d1
 <400> 30541

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aaataaaatt ctaaggccgt ccaccccatt ctagtaacta ttgtagaatc ttatcacatt 120
 ttttttagta gcattcacag cttcgtgact tgcattgcag cacagaagag gacaagaggt 180
 acaacagtgc cgaaacgaaa atatgcaaaa aataaactga aatgggtgaac aggaatgaga 240
 tgttctagat cacaggataa acacaagaac tcctaaagga atgggtcaca ggctgatgta 300
 tatgcaaaca agaatcctga caccaatata actgacaaga gacaacaaaa aggctagtgt 360
 atatatatga tataaaacaa gtattcaaca ggaaaagagg aaagggttat tatgatttct 420
 cagccaccaa cccttctgag tgtaagaatc atgttccttc cctcggcagt tcacgaagta 480
 tacaacatac aaattaacat gatgaacttt 510

<210> 30542
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g09d1
 <400> 30542

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 ggataggcaa aaagtgttac aaatgtcaaa ccaacacaac agttataagt tatacaatga 120
 ttaaccagaa aagtcaacta agaaaaaatt gattcaaaaa gattattcaa ctataggttc 180
 ttaactctta aatctgcttt gtgcctttag aaatttcttc caacagtcac tcgccaagca 240
 tatggcaact taaaaacata ttggaaatta agaattgtga tctcaaattc tactccatga 300
 ctgcaacttc tccagcagct tttatttttt ctattatttc atttgccctcc tcttttgtga 360
 ttccttgttt tagcacaact ggaacttttt caacaagatc tttggcctct ttcaatccta 420
 ggtagtaaaa tgctcttacc tccttaatca ccttgatctt tgcggcagca tcaaatttct 480
 tcaactttac atcaaaagct gttttctctg gctttttttc ctcaaccttt ggtccagcag 540
 taccaccttt tgtacccatg cccatg 566

<210> 30543
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g10d1

<400> 30543

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 ataattaaat gagaagaaa cagaaaacag atgttacatt tttgaagacc aaattagtag 180
 tacccttatt gatcctaacc ataccctcac tgataataag attcataaca ctagtgccgt 240
 caaattctgc ttcagttggt gagaggtgca ggatatctgt tgatgcaatc aagccaaggg 300
 ttctagaag gcttggtgac tcggcgcatg gcgcgcaaaa ccacactggt gcacttgaag 360
 ccagagccaa atgcgagttg ccaaacacgg tctcctcttc taacactctc ttttgcttcc 420
 atgtaagcca actcatacca aatgctgctg ctagaggtgt tgccaaagcg atgcagcgtc 480
 attctagacg cttcgatggt cttgtcactc 510

<210> 30544

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053g11d1

<400> 30544

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 gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac 120
 tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg 180
 tgatcggcga gggtctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
 aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300
 gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360
 gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata 420
 acttgtgtgg cccacatggc gaggatgctc tgggcgtgga tcaagcttgg gttgccaat 480
 agtcaagccc accctcgctg aaaatttggg acccgg 516

<210> 30545

<211> 435

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h03d1

<400> 30545

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caaataactc caacattttt agtacttacg cttcaagcaa acaatgcaac agtatgcact  120
tgaccttaca acatttgaag tttctttact tcacagtcac attggctaaa aaataataag  180
gggcctccaa ggatggaaga tcatgaaagc ttccgcaaaa tctagctgcc taagacttta  240
tacattcaaa attaccgctc aatgttaaac cagagcagca gcttactttt ccgccctcat  300
ttggcttttc aaatttgcac gtccggaaca tagacaaaac ttcttctttc aagtcctgat  360
gggggacaca gaagtccgca ggggcataat aattgccttt cggaattagg acaataatgc  420
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<210> 30546

<211> 556

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h06d1

<400> 30546

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tgcgagatta tatatatatt tacacttgac attttcgcat ctcagcttat ccaacaaaaa  120
aaaagtttgt cattatctct gatcacatca acggagtcta tttcagctcc ttcttcattt  180
gtcaccattg catcttttgc atcaaacca aatttttcac ctgcaatagt ttttagttcc  240
tctattgaat caggcaacct tattagcttc ccagcttcca tggaacattt ttctcttcta  300
actacagggg gacctctata tatgcttacc cttggaaact ttagtccact attagatctt  360
cctccattgt gtcctgctc ttgatgtctc ctttttaata caacttcact gagcatgacc  420
tcagttacat taattagatg cccaatttca cgcttctgca gcatttcatt taaggtggat  480
gaacaaaatt catggttatg cacatcagag acatcagcac cattcatgac aagcaactga  540
accatgtcaa catgat                                           556

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<210> 30547

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h08d1

<400> 30547

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 acaacaattt gatgtaacca tgtacgtgag aagaatttgt caaagctcat tcatgaaccg 180
 cactactgaa cacaaaaaaaa caagccatta aaaacccgtt caggggcaaa gaatcctatt 240
 tgcaacagca agggcccacc atatatgtca ggggaaccat taataaccta acattccctg 300
 attcacatgg gaagaatatt aatcctccca acttgagaag aagcacaagg gaccaataac 360
 tcaaaccggg ctctcaaaag aaacttgga ttgtgctaga tgccttggtt ttggcttaaa 420
 tgaagcacca aggccttgaa gcaacttcat gacatcagca ggggcatc 468

<210> 30548

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h09d1

<400> 30548

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 agaataatta aagcgcccc aaaacgtatg gggtagggaa aatatcactt ttccaagagc 120
 tccactccac acaacataat tgagcctctt atatggtacg caatataaat acataaagta 180
 ctatatatcc cactgcaaac accttcggga gataatatga gacacattta tggttgttgt 240
 tccatcagga cttggaggat aatatgggga atcttctgca tattcagttg gcattgacat 300
 ccaatgcaga ctaggtttcc aatctacttc tcttagaacc tttaatatTT tcttcaccac 360
 taccttgctt ccctctgctg atagatga 388

<210> 30549

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h10d1

<400> 30549

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 tgcattgccc tctgcactga aaaacattcc aatgggcccc tcaaattcac aacatgcccc 120
 actcaagggtt ctctttttca cgggttatct aaatattgaa caagggaac ccccaatttt 180
 ttaatttcag gggccctttt ttttaaagag cccaattac aaggggccct tttaaacaaa 240
 gggggggaaa tggcttgaca ttcagctcca agcttaacag aaatccccgg ggggttatta 300
 ttcaatccat cttcccttc aaaaacctt cttcacttt attggggggg acaacataga 360
 catgttcctc ccagcccct caacaatta cgatttaca atgatagccg cgcttgggag 420
 aaggg 425

<210> 30550

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h12d1

<400> 30550

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 gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
 agtcattcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt agggccaggc 180
 attgttggtg actgggtccg caagggtgatc agcaagggtc tccaatggac cttaccggt 240
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 gctgccacca gggtagattg ggtcagtgac ctccaggagg ggcccaccag caatacgatt 420
 accctcaaca gcaccatta ggataacttg ggtggccac atggcgagga tgctctgggc 480
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<210> 30551

<211> 410

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a04d1

<400> 30551

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 tccgcagaag ccaaaataag ctgggggttct tcccttccaa ctccacacgt tccatcaatt 180
 gcattgttcc tacccaaagc cttcaacgcc aaatgagccg ctttctgccc tgatatcatc 240
 atcgccccaa acgtcggacc cattctgggg gagccatcaa tttctgcaac ctccatgcca 300
 gtgacaatca tgccaggcac aatctcccta gtgagcctga caatagcgtc ctcagcagca 360
 ttcatatcca aagcctttat tcccaggaac gctttcaatc atcccaatac 410

<210> 30552

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a07d1

<400> 30552

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 aatagctaac acatgaaata tgataagaga gaaagtgaag aaaagtatgg gtctaagatt 120
 aatgaagggg tttgaaggaa gtgagattca tgaaatggag ccaaggcttc tcccagacga 180
 tggcttcgta actggccggg gcggatccat ccttggcttt gaggacgaga cggtagttgg 240
 tgccggaaac gacctgagtc tcgcccttga cgaccttgac aagggtgagc ttggccccag 300
 aacgcttggt gtactcgctc agcgcgtagt tggcgatctc cgccacgtgg ctgtcgttta 360
 cgtccttgat ggggcttcag ccgcccagcg ctgattccga ccg 403

<210> 30553

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a10d1

<400> 30553

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 aaggttacia aatttagggg tcccgcaga agactagtgc cagcgtaaac cctgagcttc 120

taagcaagaa caatccctga tttagctcaa attttttcag cttccatgct tgatcagcat 180
gagcacaagg gttaaacaac acaagcccag acttttgagt tcaaattcac gtcccttcgc 240
gactcacctt ggcaacatgc aactattgta gtgcccgtca accaaagctt atttttacaa 300
catgaaaagg tgaggaatca ataattgtgcc ttctcatcat ttttaattgc aaacctcaa 360
tgccctgat tggagtttca tagttcttga catgagaagc atttttcgca gatgatgttt 420
taattgctgt t 431

<210> 30554
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054b02d1

<400> 30554

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gccagctatt ggcatatcgt gggttaaccac attagatata atatattatt atgatttaag 120
atttcattggc ccacttatac tatatatcac attgaagatg ccagccaaag tagtggatga 180
tgatgataaa gctatgatac aaaacgataa gaaaaggaga gcacatgtca tgggagctgc 240
tcatgaatta aaactcaacg tacgtgtaac cacatctgaa ctgaagagat aaaaggatta 300
aaacttaatt agcâctcgta ttttaatttga ttctctgcct gtctatttgg ctatgtctct 360
aattacatcg aatcccatct ccgttggatc ggtggcctgg agttcatagc tgattccatc 420
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<210> 30555
<211> 497
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054b03d1

<400> 30555

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tgttctagta tgaatcttaa actaaaaaaa ttggcatcaa gggcacattg ccttgatttt 120
atgtttgaca gccagtaata atttgcata aaatttgttt catcaaaacc aagtagagat 180

aacttctact tgtggcagaa tgacccgcat cttcaagaaa aataaccaa gttgtaaaaa 240
 taaataaata acactaaaac tgtagttggt tgagtgtctt ttaatagttt aatcttcaag 300
 ctcaataatc ttaaccacag atgcatcacc aagtttctgg caaacaacta cccggtcatg 360
 tgacttaata actcccaatg attttccatg atcaagggca accttaagaa tagactcatt 420
 tgttgcaatt gttgactcag caggatgtcg tggatctgca agcataggaa agagacctct 480
 cacgataagt gattgtc 497

<210> 30556
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b06d1

<400> 30556

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 cgccgctttt tccatttttc ttcctccctt gcagaacatt acaattgaag cagaaaatta 120
 aaacattgat gctatggatg ttacaagggt ctatcactaa attgacaatt ccaaataagaa 180
 taaaaacaat ggcaactgaa tccatctaac tcagcgcaaa cgacaaagtc acaaaccaga 240
 ttacttgcca ctcttgatag cagattttgg gccaaacctc aacgttggtg ttgctatatc 300
 tgatgattac cagattcact gccattttgt gcaacactct gttcttgata atcatcattg 360
 ctttttgtat tggctctgtt actagtttcc ccttggtcct tctccctgtt ccattgctca 420
 attttagctc tcctttctgc actattttct ctgatcggag gactcctttc ctacccaagg 480
 acttctact 489

<210> 30557
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b10d1

<400> 30557

gcaaaggggg ggatcaaata gcctgttttc ttttctccc gtatttcggg ccttttgctc 60
 ttcccaaaaa aaaaaaaagg gggtgtttcc cccccc 96

<210> 30558
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b12d1

<400> 30558

agagaacatt cttttttttt tgctagacaa caataggcca atgtttttaa cccatttcta 60
 agggaaactc cagggggctc ttcaaaacag gccgatcaaa atcgcgttct aatggacgga 120
 cacaataaaa atgtcctgta catccacaat tcataacgaa gagacctgaa tgcccaaaaa 180
 agcctggcac cgatatttgc tataccacct cttgcctagc aaacttgacc caagggaggt 240
 cctaccacta acttttcagtc cggtgagttt aacttttgtc cctgcacct ttgggagcgg 300
 gtcctttgat ggcattgccc ccaacatact atg 333

<210> 30559
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054c01d1

<400> 30559

gaaaaggaaa taataatgga aattcttcaa aaggaaaaga tgagcaaagg ttggaaacga 60
 aggtatcctc atagcaatc atagggtgaa ataagacaat tatcaaaaat catcgatc 120
 ctctctgca atatgcttag ccagctcttg ctcttgctgt tgtctctctc ttctcttttc 180
 agcactttcc ttctctttgt gtgtggttgg tggaaaacga agagctcgaa ccgcctcatt 240
 gtgcatgtta agacagaaag caatccgaga attgaaggct gactgtggct catttgtgga 300
 gtaaataatc ccagtttctt tggacacat ccaaccattg gcatgatcca atgtagcatc 360
 aattgcacca tcacgaatag cctttgatac aatgctctca gcatctgcaa caggatttgc 420
 agagttcagc ctgagttttt tagcaacatc agctagagag atgcgagaat aggagatgct 480
 gatgttgcgt aaaccagtcc tgatgacatt atgccgcata cgaacaatca aattatgggt 540
 ttctgtctgc attaaa 556

<210> 30560

<211> 411
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054c04d1

<400> 30560

gagaaatcaa aaccagacat gtttttttga agaacataaa ctgatttctg atcattttat 60
aggaacgaaa aatccatttt tctccttttt attgaataac gataatcaca aagtcataca 120
cataatcatg tgaatacgat aaccaccgtg cacttgtgat tttctcaca cagtaacttt 180
aagtacacaa gacagagtcc aagtgatcca accattaggc aataatgaac cccttaatta 240
gttcgaagct ttgacggttc cttccttggg gtgatgcacc actatgtaat tataggcatc 300
caaagtgaga aaatcattaa gtgttaggga cgcgcatgg cgagtgaaga tcttgcaagc 360
ctccttgtag aatccctttt ttgaactttt ctgggtccac tttcttttta a 411

<210> 30561
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054c06d1

<400> 30561

gtgcgactcc aagtgctgtc caactgtgat cattctatgt ggacactctg ttgtacctga 60
aataccgtag tttgagcttt tagccgattt acaggcttta gaaaaggaaa acaattcact 120
cccgggacac actactgaat atttaacaac agactttact cttccggcgg tagcaatggt 180
tgctatatga caatgagcct tatcgggaga tttaactcac actcgatca gtgtagatga 240
tcatttggtt gtcccacgtt gaaacctaaa gagttgtgct atacttattt agagcccagag 300
ctgtggtatg tcggcctact tttagctaca aaacatgaaa taccattggt agagcctgtg 360
acacatgata t 371

<210> 30562
<211> 398
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054c07d1

<400> 30562

cttgaacac gtgacagaaa aagcatatgc tacaaattca ttcattgtgaa aaaggggctt 60
 atactacatc gatccatcaa agggctctata accgcataga aacctcacac ttttaagaaac 120
 attttatgat taactcattt acctgaaagg cctagcttga aacaattggt ttatctcctt 180
 tctaggggcy cccccaaaat aaatccaatc ttaaattggg gaattacaca aggtttttatt 240
 aaactcaaat tttttttttt ttttggaaca atttttgtgt cccccccct cccccagagg 300
 ggaaaaaatt ttctacaccc cccctccaaa aaaaaccttt ccttcggggc gccctttttt 360
 ttattttcta cccccctttt tttggacaaa cctttttt 398

<210> 30563

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054c08d1

<400> 30563

gaacagtata tttaccgatt ccctccacat ataaaggggg tgggtattac taggcccata 60
 ttcttcgatt acctatacaa gcttccttac tgaagctcgt agccactata gcctagctaa 120
 atgttctcac gctgtccacc accaatgggg atttttatcc caaagcaaat gacagttttt 180
 tgtaggaatc ttttattacc caacaaccgg tttttggcaa aaaccttcat ctatcgctg 240
 ccgctatttt atttgctg 259

<210> 30564

<211> 437

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054d05d1

<400> 30564

acaaaatact cgcattgttat ttagaatgtc cagcaatact tatataaaag gacatggaca 60
 cgcatttgaa tgacaaatga aacattggac aacctcccc cacaaaaaga aaaaaaatg 120
 acgaatgaaa tgaaaacgta tgtgaaaact agcaggagtt caagtaatta ttagtaatta 180
 acaagcagaa atggaatgcc tctgtggct taaaagacac caatagcaga aggatacaaa 240

ggcttgggct ggtaagaaag aaagttggga acatacctag gggttcgttt cttaggagga 300
 accatggaaa atatgggtgg ttgattaaaa tacccatatt tgctttttgt ccaccaatcc 360
 ttgatttcga tgcgcacttc ttgggtctta caaactgttt tgaaaaagca tttggcccta 420
 cgaaccactt taccgtt 437

<210> 30565
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054d09d1
 <400> 30565

ggaagtaaat ataatttatt caaaccaaga ggaacaggca aatgaccata gtaatttgaa 60
 ccctcctgga accatcatcc tcaatacata cataacataa cccatagaat tctcgtatcc 120
 tccgcttggc atgcatgcat gctgacatgg agccaaatca gcagggtta tatatatata 180
 tatatatata tatatatata tatatatgta tcggaaagcc atacccaaag atttaccatt 240
 tcaataataa catttatgat aaataaaata aaaatgcggg aaactttatt tacttcaata 300
 ataccgatc catggg 316

<210> 30566
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054e01d1
 <400> 30566

ggacataaaa aatgggggca tagtcatttc attaaaaat ttttttaca actaataatt 60
 acatactaat atcattgggg ggaagattta atggcagagg aaacagagtt ccatttttga 120
 gtaagagggg caataatttg aggcacaact gcccacatac ctttgggggc agctccagag 180
 gcaagcccaa ttgcaaaagt ttcaacataa gcaggcttgg aatcaagctt catgtcaaga 240
 acagggagtc tattgttaat tgcataatc ttcctagaag attcagtcaa tagcttgctg 300
 ggtttacctt tgccagagga tttgacttta aacagagcct tttgaagatc ctcaatgacc 360
 ttcaacgacg cattttgcga gtccataccc ttagattcat agggggatat c 411

<210> 30567
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e02d1

<400> 30567

aacaagaaat attccttatt atcatcatca tgggggttaa agaaaataaa ataaaaaaac 60
 ttttttggag gttattccag ccacaaataa aaatTTTTtg ggcaaattgg tttggtttaa 120
 acttttaaact atgaacccaaa attttgaaaa gggctaccg gggcggggga tcaactttcg 180
 ttgataaccc cacaatgtac cccctccg tagggggcaa ccgggaccag cccatttaa 240
 accggccac ccggaatttt gaccctcca ccctggaatt gttggccga ttgcccgcc 300
 aattaaccg gtggcccaaa gctgaaccg gcccatatt tatgttttca ccataata 358

<210> 30568
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e04d1

<400> 30568

gccctccttt tttttatttt tttttttttt tttttttaca agcaaatttc ttgatataac 60
 ataggcta atgtatat tacaacaaca aaaaaagaga gtgggcctta attcataaac 120
 acaaacttat ttaaagaccc aaaaaaaac ttaaagaaaa aacaagccag tttctaagag 180
 ctctatgggt tttcacagaa gaaaatattg ggaaggga aacatttccc ctttcttggt 240
 taaccgtcat tgggtggatt ccatttagaa ggagggacac atgttaagga gcgacaccaa 300
 tgggaggggg tatacccttt ttaccgccga aataggagta ccaatggagg cgataaccct 360
 ggaattaaca gaatgagaga ccccatccat agaacatatt gggaagcctt gttctttgac 420
 t 421

<210> 30569
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e06d1

<400> 30569

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gcaaactatg acatacggat attgtattca ttggcggttt caaagaaaga caataaaact   60
aagcattgct gattaaaatg ggaaagacaa ctgaaacact taaaagaaca taattttttt  120
aaggagacat aacatcccat ccccaatggc accattgata aattccatgg atcaatgttg  180
ctttttcttg gtgtccatgt tgctctccag cccttgaaca tgattcatgt gtccttcatt  240
ttcaatcact ggtatcacca cttcttggat ttggagcatg gcgatcttct tttctatttc  300
attgagggtc tgatcaatca accatgagag atcattcaaa tccaccaagc taggattgcc  360
aacaaccttt ccagcgggtca ggtattgaag cataagattg gtcattctct tcttctgttt  420
ttc                                                                    423

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<210> 30570
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e09d1

<400> 30570

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aaaagccaac tatatttcag tatttccac cttgcttcta cccctgttga aagtaacaaa   60
gtaagctgct ctgcaacaaa gtagatctga atttacaaga caggaaacga ccaaacaagt  120
aaaataaaaa gagagaaaaa aaaaggetta gagaaggata aaccgggaca aaaaccaaaa  180
gatataagca tcttaggcag aaaaccctaa aaaaccctaa aaccctagag gagtaaacc  240
tgtaggagc taaccactgt aaacaaaacc caatgagaag ggattggtgc tagcattcta  300
tgaactaact cgcgccagcc aatctcaata tacagatctt tatcttctact aggcaaccaa  360
tcacactatc ttcagactgc aagagaaggc aagacagatc aaatccgggc ggtaccaa  420
tgctgataaa tatact                                                                    436

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<210> 30571
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e12d1

<400> 30571

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 taaaaagaga gtcagggata actatatcca ttatacagga cagggatacc ccaaggccca 120
 aatcatcttt taaaaaactc aaattaatct ttaggggtggc atttacatat atgaactcac 180
 atccatctaa tcatcttttag tttgtattaa gatagtaaga ttttttaatt tataattaaa 240
 catcacgaca atttgaacta ttattaatgg atatccatat tcttggtata ccttgaacca 300
 aaagaaaaca gttagttaca atttgggtggg tccttggaac atttatatat agcagatgca 360
 ggctgcttat ataccggaat gtcattggga tcaacaaagc g 401

<210> 30572

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054f01d1

<400> 30572

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 cccccaaaaa cccccaacca aaagggggaa aatgaggaat atccccccct ttccaaaaac 120
 cccccccggg gtgccccccc ccccaaaaaa aaagggaacc cccccccag ggggttaaact 180
 ttaaatgggg cccccggaaa gaaaaccccc caaccgcaaa aaaaaaaaaa aaaaccccc 240
 cgaaaaaaaa aagggaattg gctttacctt gggaccaacc tgggggaaaa aaccccccaa 300
 agcgaattgc cgggggaccc cccccatct tccagagccc cccccgaaa cccggggggg 360
 cccccccccc cccccaattg ggggggaggg ggggggggc 399

<210> 30573

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054f02d1

<400> 30573

gcagaaaaaa tcatgaacaa agttagttcc ttcttattgt attcttttat gtgatgttca 60
 tatacaccca taacaagaaa aaaatgggca accaggcata acagcctcta tacaataaac 120

attatagtag taattataac acaaatatat gacggctgaa attcaatatt cgttgtctta 180
 attatcttct gacactctaa taatatgaat ccacagtatt cattcattat ccattgtcct 240
 tgtaacttct ctcttcttgt ataatttcta cccttctatg ctggaatggc tttgaaaatg 300
 tcatcgaaac tgttctgggt tgcaaaaata tccagaagag acagtgcctc aggcacactc 360
 agttcaagac ggaacttagg gccatcataa tgggtgaaaa ttggtctaaa ggaa 414

<210> 30574
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054f03d1
 <400> 30574

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 tatgagcatt atccgcacca ttacataaaa tcgtatcttc tacatggatt ctacatggat 120
 taattacata gtcttaccat gccttaacaa gcttaaaagt atgtctagtc acaaccacca 180
 cattgcctag aatgtcaciaa cccacaaaac aagttcactc ataagcaaatt ttttttgaag 240
 aagtaaagct gaatttaatc agaatcagat gcagattcta atctttgttc ctcagaggct 300
 gcattatctc cttttaagtt cgcctctccc tgcttgaatg ccttggctat ctcttcaatg 360
 ggaatcaaag gtagataccc gacgaaacta taaccctttt gagtcattggc cttgatcaca 420
 tggttgtact tctctgacca gtgagcagca gtgggaactg ctatctctgc caatgcatgg 480
 aatgggtggat agtgggtgag ttcattccac aacttcaccg aatttatcaa cacaaaatgc 540
 tttgac 546

<210> 30575
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054f06d1
 <400> 30575

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 gaaaaatgaa ttctccaatg ttgtctgggg atgctaagtt tcccagggtta taggagaaag 120

aaaaactcat gaagttctct ctaatgcatt ttaagtacac tgaattgatc agttcacaag 180
 ggtgcctgcg acatcaaaaa agagcttcat ggatggtttg gccctggtaa ttccaccac 240
 ccagagtaac acatggggag acaccgaag gggcctcaaa agatatttta atagtcatgg 300
 gctctcctgg cccaagtga aaatagttat ttgggtaatg aataggaaga attcttgtgt 360
 cttccccctc c 371

<210> 30576
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054f08d1

<400> 30576

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 ctcataatgg ctgaaaatcc gggggggttaa acctgatagg aaaaaccttt ttgggacaaa 120
 aagagcctta tacattttac tcggaaaaca ccgccccctt ttgaacaaaa taaaacggaa 180
 actggctgct ccctggattt aacagacctt tttccaacac ttttcttcta ttgga 235

<210> 30577
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054g02d1

<400> 30577

gtaaaaggca atttacttat aacatccctc ggcagcaaag gagcaaaact aaaaccctgt 60
 agctgcttgt gcaaaaagag ttctcataca gcttataaaa tagaaaagtc accaccgccc 120
 atcaagaacc cagttttgaa aggtaggtgg ctgcaatgaa atggctgata cataaaagta 180
 aaactataac aagtaaaagc acctatactc tcaaaaaata aaatactaat aaggaaccac 240
 tgttgtgtgt aactataaat gtaactatga tcgcatgtac ttgaagaaac aaaaaaatgt 300
 attcaattct tcttctgtgc agccttggtg accttggtc cagttgggtc cttcttcttc 360
 acactcttga tgactccaac agccacagtt tgtcgcatgt ccctca 406

<210> 30578

<211> 371
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g05d1

 <400> 30578

 ctacatcaat atatatccct ttttctcatt ttattgcaat cttcaataga gagagcatgc 60
 tatcattctt tcaaagattc cagtaattaa ctggacctga tagaatatct cattattggg 120
 catattatac cacgaagccc ctgacaaacg agatgaaaca aacggttatt cgaggggaaa 180
 aattatgcta attcaattca accttgacaa agaaaaatta aatactgtga atctattaaa 240
 aaaaaaaaaat caaactctac aacagatggc ataaaaaac caactgaatg ttgaacttga 300
 catatctagc caggagcaag ctgcattcat tttaaactaa tggacattga tccattgaca 360
 aaacctgttt t 371

<210> 30579
 <211> 350
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g06d1

 <400> 30579

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 cagaatccgg gggcatggac aacctttata acacaaatat tttagtgggt caaatattaaa 120
 cataacaaag taaacacata attaaagttc actaaacaat tttgtaaagc aaacccacac 180
 agctaaattg caaccacaaa ttccctttct ggagcttcac tcttggttta gaacgattac 240
 aagtccccta aatcttgaag ctgagtttat ccatgtttca aatgggggga gatgccaac 300
 caaattaaat aacttttgggt aaggggcatg cacattatc ttgggggggt 350

<210> 30580
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g08d1

 <400> 30580

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 taagcttttc ctgatttaat gcgacccaca ctatgctcat gtaggaatac tgtagttaa 120
 ttattaaaat ttttggcggg ttaactagtt tacagtatta attaaatgtc ttgtttaact 180
 cctatggcgt atcaagcatg ttgtcacact gtaacattaa ctctacttga ttatgatcct 240
 atgttcgggt gaagggcaca tttccccaat gaacaacaga tttctcatct aactac 296

<210> 30581
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054g09d1

<400> 30581

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 tccacgccta ataaaagacg ggctctaatt attttttgaa ggggtgcctca caaatgttt 120
 ttatgggtgat aaaacagact ccattcactg ttataacgaa ccacatgaca ctgatttttt 180
 aaaaaggaca ggcaggattc aaaggggaac ggtgtctaaa tggacttcca ttacccccgg 240
 gttccctaag ctagggtgtgg aagaaaaaaa aatgggcaac accactcccg gagaaacccc 300
 tcattggaag cccccgaccc atggatgaaa gccttgggtt cccgtttttt cttttagaaa 360
 ggtgaccca gttggcgacg accactgggt gggcgggcct cccggggcgg ggatcccctt 420
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 tcttaaacc cttttttttt t 501

<210> 30582
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h01d1

<400> 30582

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 tctgatataa taaaccaaga aatttccttg tacaatgaga aaattccctt tctttccatc 120
 aaaataggtg gaacctcaaa attcttcata ttacatttc aaaatataac tcaaaatagt 180

gagagcaata agagcttgcc gccaaaaaaa tcccccatcc cttatgaaga acttagatcc 240
 catgcagaac aaatgaatta cctaacctac ttgatggcat atgaacgggt acacactgat 300
 tcaagggcct cagcgaacaa ggaagagaaa ctgggtcaatg cctgaaacac tccaggcaag 360
 cctgtttgca aattgttgag agtcatggct cttgttacct ccacagcttt tgaatgcctc 420
 agcatttcat cttcgacacg cctttggcag ggtgccagtt ctattttttt ctcagcaagt 480
 gggtcacg 488

<210> 30583
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400054h02d1
 <400> 30583

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 gatacatttc ttacaatttt taatatcagt tcacttttaa gaatgcccct atctctgtgc 120
 ttttgcaaca aggtttaccg gaaacaatgt tcaccctcaa aaagaaaata ggagagaaga 180
 aaataaacat agtttaactt acattaatac aaaacgatag attgcacccg caaaaatatc 240
 tgccacaatg cgaccaggag ccgaatgctc gcaagggggg aacttggact tgtcatcaaa 300
 gtgaattaac tgccaactaa acactagcca gaaggaagat tttatccaag gccaaattact 360
 ggtttatgca ccncttcat cttcagagaa gcgcttcttc tggccgtaat atgggcacca 420
 gggngttctt gcaaactctga gtttacggga aacaagatac act 463

<210> 30584
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054h04d1
 <400> 30584

atccactagg ggaagtcgat tgcataataa aatatgcagg cgctagccaa attaaattta 60
 ggcatthaaca acgaaccccc aaccaattag acaacgagat catgggtcac aaatactgaa 120
 ttggaagaat tataccaact taaggcgcggt ttggaccagg aattttttgc caagtttgag 180

aatattcagt gtcaacgatac attaatgttt cagaaaaatc tatgccacag cttatatgca 240
 atgctcgaaa ctacaggccc acagtgaatg gcttacgacc ttttttctac ctttctttca 300
 ctagaacttt tattctcagc ctcccgtttt ttttggtgcc gcatttgcac gtatccacca 360
 ccggtttttg cagcagataa aattgttggt tgagccccca ttagtagata cagaatcctg 420
 ccctgtaaag ggcacaggat tttttt 446

<210> 30585
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h05d1

<400> 30585

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 catcttatta ttctttcaat aaacaaacca ttagagatgg gcaattaaca caacataaat 120
 gggaaagga aaagaaaacc tttgtcacga acaaaaagcc aaaattccat aaaattctaa 180
 tcaagggaga agaagctttt ggtcattccg acatggatc ctcttcatct tcatgtcac 240
 tcagaacaag atcggccaac aactcctcca atggaacaga agattcatca ccatcagatg 300
 gcttggactt tttatttc 318

<210> 30586
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h08d1

<400> 30586

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 gaattagcgt attttaaaaa aaaaaaaaaa gggggggcgc ccctaaatat tcttaaagaa 120
 aaaactagcc ataagggacg agctctatgg ttataccag aatagaattt tgggaagga 180
 aaattattcc ccctttctgg aaaaccagaa ttgctgcatg acaattcaga agccgggact 240
 cttgttaaga cgcgactccc gtggcggggg ttttaccttt 280

<210> 30587
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054h12d1

 <400> 30587

 ggtaatggct tttgaattca tgttttaaata gaaagtacaa attctatggt gcaaatttac 60
 attacaaata caggacaact cttcttataa tcgctttacc tctaactt cttccaactt 120
 ccacctgcaa atgcgcagtc agcatatcaa actgcagggc agttctttct aacacatttt 180
 ttttggtcaa aacactttta acacaacaaa gcactcccgga aatatggggt gaaaaatctg 240
 tccagtttgt gggcctctgc cctt 264

<210> 30588
 <211> 498
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400055a01d1

 <400> 30588

 cggaaagtac atccattttc gatccaggtg ttttctctgt gcattagcta atgggcagaa 60
 aaccatgttt gtcagacagc taggttatcc tatgtatcct aattattggt tatattaagg 120
 caaggaaaaa taaaatacta gcttggatca ctaaggcgac cagataggaa gaaacgcaa 180
 attgaagaat actaatactg caaatgact ccaaggcatt aaatccataa tcgaaacttt 240
 acagtaaaaa ggtttttgtt tcctcctcaa agttgaggca gatgtggtct cttttccaac 300
 atttcataat gtagaacaaa attatccttg cggacggttt caaatatgct tggatcgaaa 360
 cagtgataag atcctctctc atatgtgttt gttttaacca gcggctccat gttgggaact 420
 cttattaacc ataaacgatg ttctttgtga taaaaccaac ctctgttgta aagctcactg 480
 gcggcatata attgggct 498

<210> 30589
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400055a02d1

<400> 30589

caactaacta ccttctaatt taaaagcttg cagttataca taaaatttaa tatgtactac 60
 taaattgttt gtaattgaaa taaaataaaa aaatcaatga aaccatgtat aggcaatgag 120
 agaaaaggga gagaagctga tgcaagctat gctaaaacga ctacctttgc ctgcaaacat 180
 ttaggagcat tgactggcca ttctaaacct actgcacact actcaacagc tagggagatg 240
 atgtataaga agcatgatac tcaaggtaga atttaaataa tatatatgaa atctttaacc 300
 tattaaaaag gaaactaatc tctcagaatt tacagcaaag aaagctatcc ttccaccacc 360
 gttgcttccg gtagtgactc ctgtcggttt ttgccatcct gaccgggctg tttttccatt 420
 cagattgaat tatggggaat gcaaaggatc ccgtgctggt agtgctgctg tctgat 476

<210> 30590

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055a06d1

<400> 30590

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 ttccctcatg gcaataacaa aaaatcaggg tggagagata aaaaaaggga gaaattaaaa 120
 atttttttcg cccgattatt attaaaaaca aagggggggg cagggtaaat tattatcccc 180
 ggggggggct ttattattaa acgggagcgc gtttaaataa aacgggaggg gggggcaaaa 240
 ccaccaggaa accatgttgg cgcccctgtc ctcaaccacg gggggggaaa aacccactc 300
 cctggggcag ccttcgggga caaaaggggg agggcgcggg tttttcccg ttggggaaaa 360
 aaaccgcccc ctgggggttg tggttgtggg gg 392

<210> 30591

<211> 527

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055a09d1

<400> 30591

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aaacagagag tacatgtttt tagttgatca cgtaaaaaat tacaaaagaa catacaaata 120
 acaaaatagg aggaagagga gagaaacaca cagagtaaga gacgtggaaa gttatggata 180
 ttagacatat tataagggca acgctcaaaa aacttccagc atagagcagt ggaatgaatt 240
 acttaggcct tctcccactt gaggggtttg accacttccc atgtgaagtc aggggtcttct 300
 cttccaaagt gtccataggc agcagtcttc aaaaacctgt tatttccacc cctcttgaga 360
 tcaaggttga tggagatcat accaggcctg aaatcaaagt tttccttcac aatgttgaga 420
 atcttcttat catggatctt tccagtgcc taggtggcaa caaacacaga caaaggctca 480
 ggcacaccaa tggcataaga cacttgaca atgcacctt tggcaag 527

<210> 30592
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400055a12d1
 <400> 30592

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 actatcccg agacaagcag ataccttata gaaagaaata tatctgggca cttttcatcg 120
 attgagaata gatgaaaaaa attaagtggc gtctatctct cccatccttg ataatatatg 180
 gtttctccg ctatacgtgg cagtgctgt ccaaatacaa tgtaacaaca agtattgtct 240
 ctttcataat tcacatgttg ttcatttatt caaaattaa aatcataatt aagtagggac 300
 caaacagaaa gaaaagaaaa gaaaagctat atatctagct aatttgaaag taagtttaag 360
 catcaacaat ttctcagtg tctgcagaag cgaaaataag ctggggttct tccctttcaa 420
 cttcacacgt tccatcaatt gcattgttcc ttccaacgc ctttaacgcc aaatgagccg 480
 tcttctggcc tgatatcatc atttgcccaa acgttggacc cattctttgg tgagccatca 540
 atttctgcca cttca 556

<210> 30593
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400055b02d1

<400> 30593

ggaacagaaa ataaaaatgt tcattttatt gcaacaacta agagattcaa tcataacaac 60

acaagtccgg caacagaaaa ttttcaaaca aacaaagcaa taaaaacata cactaatcag 120

taaatatatc acacactctc acaactgatc acacgacgta ggaacaaaag aaatggtctc 180

cttttcaaga tcatggttca ccaaaatggt ctgctgttga acatttccaa atatagacat 240

tccactagaa gcacccatgg ccaaacaagc cactcccaaa tgggaggcac caatcatgta 300

gttctcagca ggaagctcca aatccccacc cttgaaatgg aaaacaagct ttggaatctc 360

cacttgtggt gaccctgatg gcaaggagaa acaaagatcc aaccctgttg agctagtttt 420

gtccaaagca agtttggttt gagaaatgaa ctctttttt 459

<210> 30594

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b03d1

<400> 30594

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cgaattcact gctaagaagg aatgataaat aactaaaaga aaacaactga aagccaaaga 120

ctccaaaagt tttagtaggt atagcccttg acaaacattc ccttcttggc ctcttcactc 180

tcaccctcag cagagtatct tccaagttga gccaaaggagt ttgcttttagc acgcacaaaa 240

agggactttt gagcagcttc cacattctca ggggtgtcctt gccatgtctt aagcacagtg 300

ttctgaagag cccgtgcata tgagaaagaa acatgccatg ggttgggact ttggttcatg 360

gcatttagat ttagtggttg ttccacttcg gattgtccac cagacaaaaa catgattcca 420

gggacagcag gaggaactct tcttctaagc atgggtagag tatatttggc aatggtttct 480

ggagaagcct ttttcttggt ttccagccca ggtgttacca tgctgggttt gagcaaaatt 540

ccctcaaaaa gga 553

<210> 30595

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b05d1

<400> 30595

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aatctcaaaa gacaaattaa attacaaacc aaaaacattg aataaaaaact accaagcact 120
caaagtctat tcatatccta aagatttaag cagcagttgc ttgttgggcg gcaatccttt 180
tcctagcttc ctcaatgatt gatagcttaa tacctttacc cttgggaaga gatatccacg 240
gttttgttcc cttgccaatg gtgaacacat tgcccattcg agttgcaaatt tcatgcccag 300
tagcactctg aacatggata gtctcaaagc ttcccttatg cttctctctg ttcttgatca 360
ctccaacacg acccctattt cttccacccg tcaccatgac tacattccca acatcaaatt 420
tgatgaaatc aacaatcttg ttcttctcca aatccagctt aatgggtgtca ttagccctga 480
tgagaggggc tgggtagcgg atagtgcgac cgtcgtaggt atttaatatg ggataccctt 540
ttgcccacac tgactgagc gaacttt 567

<210> 30596

<211> 454

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b06d1

<400> 30596

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gggggggggt aaaaaggaga cttttttacc ccctaaaaga aatcccttta agggaaaggg 120
gggataaatc cccttggttt agcccaaagg gggggggggg gtcctttggg gaaaaccttt 180
ttgcccgggg gggggggccc attgggggtc agcaccagg ggggattttt aaagggtttt 240
tttttttttg gaaaaccggg gggccctcc ctttggggaa aaaaaggaaa aaaacctggg 300
gcaaatgggg ggggggcacc aaaagggcc cttttggttc ctgggggggg ttttaaaatt 360
ttttaatacc cggggacccc cacgggggtt cttgggggga tccaccctta aaaaaggggg 420
gggtttttgg aaccccccta attccccctg gggg 454

<210> 30597

<211> 444

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400055b07d1

<400> 30597

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 tgctctcaaa ttagtcagca ggaacaaaga tcgagagatc caacgatctt taaatttcac 120
 atttgccata attatattac aagtaagagg ggttgggatg tgagttaagt tttgatctca 180
 ttcaactgca gtatcccaaa ccattactct taacactttg aacttgactt gcactccagg 240
 agcatgtcgt gctcaggagc taatgccac aagcccttag gatggtgtcc agcatggctc 300
 ggtgctttga cagggccttc accactggcg ggctcagtgg aaccagaggg gccttggcta 360
 ggttactgag gatggacact acctgggtgg aatgggagga gctttccatc attttcagct 420
 ctgaactcga ttggagcgct cagc 444

<210> 30598
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400055b08d1

<400> 30598

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 ttggtctctc taatcacaaa ggagattaag tccattgtgg tgtgccttca tgactgaatt 120
 ataccaaagt actaccctta acatactcag taaaagccag agcaatcaaa cccaacatag 180
 caaatctccc attccacagt tctgcatctg aggacatgaa ccctttggac ttagactcca 240
 cgctgacacc ttggaagagt ggaatcaagg aagcaagggg aaggaccaca cttgttccca 300
 agaaccatgg gatgccacca ttggatattt gttctaacac accttgcctt ttggctactt 360
 ccaactgcat tgcagccaca aaccaatca tggccaacct tccattgatc ctctcaagtg 420
 ctggcccact gaatgccaac acattagaaa aacttagtgc tcacctttg 469

<210> 30599
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400055b09d1

<400> 30599

aaaaccggaa ggggcccaatt cccctcatgg gggggggaaa aaatttcccc aatgctccct 60
ggggggcaat taaagcaaat ccctgaaaaa cccccccaa aaaatttccct ttttttttaa 120
aaagtcccca tcaaaagggg ccgggggttg aaaaaagg gccaattaa aaaatttatt 180
ttgaaaaacc ccgggggttc cccgggggg gcccacccc aaccgggggt tgtaaaccgc 240
cttaaaggcc tcaattttta ttctgaaac aaaaaaagg ggaactttat atttaaattt 300
gccccttttt ggggccaaaa aaggccttg ggttttaaaa accgaaattt tgaaccctc 360
ctggtttttt taaggggcca ttaaggg 387

<210> 30600

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b11d1

<400> 30600

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tgcaatccat tatattacaa aagaacatca cctaattctac ataacaaata ttggctgtac 120
ccacttcaga cccttctttc atggtacccc tcattcattc ctttttcaca gttccggcca 180
aaccttccaa ttgattcccg gacttaaaat ataacgctaa ggtataaaac ttggaaaaag 240
caaaaggatt gcagccatta tggatcatcac caaaaggaaa aaagaaagtt acaggaaatg 300
aagaaattga acagttaaaa aatacacctt acaatcttac aacttgcttc tactttacat 360
gccaatgaac aaagcttttg tgattgagag atcaaagatc agtttagtta gtggggagca 420
tgatcttcaa atgagcatga ggtctaaaat gagaagggtc atttattgat gaactcaccc 480
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<210> 30601

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b12d1